

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041320\
 Data File : VD065616.D
 Acq On : 13 Apr 2020 14:52
 Operator : VA/SY
 Sample : VD0413SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/14/2020 10:02:30 AM

Quant Time: Apr 14 02:36:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	495827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	685078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	626872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316420	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	212822	45.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.76%	
35) Dibromofluoromethane	7.91	113	231724	48.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.84%	
50) Toluene-d8	10.34	98	858796	49.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.64	95	267154	47.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	86316	19.306	ug/l	98
3) Chloromethane	2.21	50	105260	18.932	ug/l	100
4) Vinyl Chloride	2.35	62	99591	19.158	ug/l	100
5) Bromomethane	2.76	94	70033	19.102	ug/l	95
6) Chloroethane	2.92	64	61480	19.204	ug/l	98
7) Trichlorofluoromethane	3.27	101	157747	20.007	ug/l	91
8) Diethyl Ether	3.70	74	35342	21.695	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	103965	20.171	ug/l	97
10) Methyl Iodide	4.29	142	102967	19.492	ug/l	99
11) Tert butyl alcohol	5.25	59	27862	117.695	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	96142	20.224	ug/l	94
13) Acrolein	3.92	56	31518	95.916	ug/l	93
14) Allyl chloride	4.71	41	137214	19.458	ug/l	98
15) Acrylonitrile	5.43	53	91132	94.865	ug/l	98
16) Acetone	4.17	43	83472	98.576	ug/l	99
17) Carbon Disulfide	4.40	76	314976	19.913	ug/l	97
18) Methyl Acetate	4.72	43	47146	18.969	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	181019	19.697	ug/l	98
20) Methylene Chloride	4.96	84	106134	18.961	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	109277	20.254	ug/l	91
22) Diisopropyl ether	6.36	45	277336	20.461	ug/l	96
23) Vinyl Acetate	6.31	43	706141	98.468	ug/l	99
24) 1,1-Dichloroethane	6.27	63	177961	19.735	ug/l	99
25) 2-Butanone	7.22	43	105150	90.723	ug/l	98
26) 2,2-Dichloropropane	7.21	77	163158	20.218	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	112688	20.408	ug/l	98
28) Bromochloromethane	7.54	49	71047	19.630	ug/l	99
29) Tetrahydrofuran	7.57	42	67830	93.131	ug/l	99
30) Chloroform	7.71	83	188500	19.963	ug/l	99
31) Cyclohexane	7.98	56	162783	19.459	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	170592	19.992	ug/l	98
36) 1,1-Dichloropropene	8.11	75	149549	21.203	ug/l	100
37) Ethyl Acetate	7.30	43	52790	20.158	ug/l	99
38) Carbon Tetrachloride	8.10	117	160988	21.021	ug/l	94

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	166016	20.793	ug/l	96
40) Benzene	8.35	78	406492	20.172	ug/l	99
41) Methacrylonitrile	7.54	41	28951m	19.539	ug/l	
42) 1,2-Dichloroethane	8.43	62	111798	19.862	ug/l	100
43) Isopropyl Acetate	8.46	43	92904	19.444	ug/l	99
44) Trichloroethene	9.11	130	119870	20.697	ug/l	92
45) 1,2-Dichloropropane	9.39	63	97993	19.970	ug/l	98
46) Dibromomethane	9.48	93	51423	19.497	ug/l	96
47) Bromodichloromethane	9.67	83	139792	20.211	ug/l	99
48) Methyl methacrylate	9.46	41	44246	19.967	ug/l	98
49) 1,4-Dioxane	9.47	88	11797	422.325	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	243536	98.908	ug/l	99
52) Toluene	10.41	92	265467	20.835	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	123015	20.038	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	151069	20.098	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	72089	19.477	ug/l	97
56) Ethyl methacrylate	10.66	69	72507	18.652	ug/l	97
57) 1,3-Dichloropropane	10.95	76	121950	19.892	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	192559	98.225	ug/l	99
59) 2-Hexanone	10.99	43	161221	98.523	ug/l	97
60) Dibromochloromethane	11.14	129	98253	19.932	ug/l	99
61) 1,2-Dibromoethane	11.25	107	70282	19.976	ug/l	100
64) Tetrachloroethene	10.88	164	109168	21.894	ug/l	96
65) Chlorobenzene	11.67	112	280875	20.689	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	106855	20.661	ug/l	99
67) Ethyl Benzene	11.75	91	477672	21.307	ug/l	100
68) m/p-Xylenes	11.86	106	381111	43.090	ug/l	100
69) o-Xylene	12.18	106	151593	19.890	ug/l	100
70) Styrene	12.20	104	263709	19.571	ug/l	97
71) Bromoform	12.37	173	53028	18.282	ug/l #	99
73) Isopropylbenzene	12.48	105	413345	20.502	ug/l	100
74) N-amyl acetate	12.30	43	77037	18.797	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	71912	19.404	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	47134m	18.573	ug/l	
77) Bromobenzene	12.77	156	114626	20.738	ug/l	96
78) n-propylbenzene	12.83	91	540320	22.206	ug/l	100
79) 2-Chlorotoluene	12.91	91	307193	22.029	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	377083	22.191	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	20799	18.985	ug/l	95
82) 4-Chlorotoluene	13.01	91	325798	21.706	ug/l	100
83) tert-Butylbenzene	13.23	119	310802	21.874	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	372957	22.086	ug/l	99
85) sec-Butylbenzene	13.41	105	449435	22.229	ug/l	99
86) p-Isopropyltoluene	13.53	119	417736	22.389	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	223986	21.014	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	225168	21.150	ug/l	99
89) n-Butylbenzene	13.86	91	367373	21.818	ug/l	99
90) Hexachloroethane	14.12	117	79695	19.580	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	191949	21.168	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11060	19.347	ug/l	95

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ClientSampleId :
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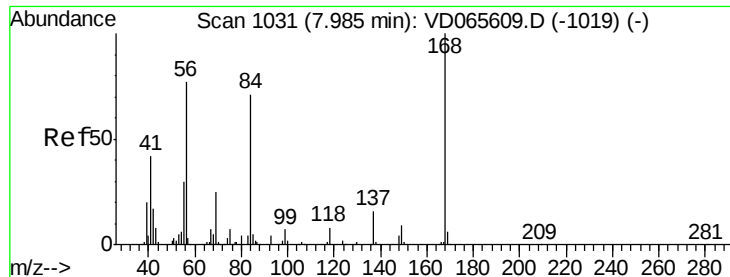
Manual Integrations
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4/14/2020 10:02:30 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	119516	20.066	ug/l	99
94) Hexachlorobutadiene	15.28	225	85008	20.533	ug/l	99
95) Naphthalene	15.41	128	169818	19.188	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	107584	20.867	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

Tot Ion:168 Resp: 495827

Ion Ratio Lower Upper

168 100

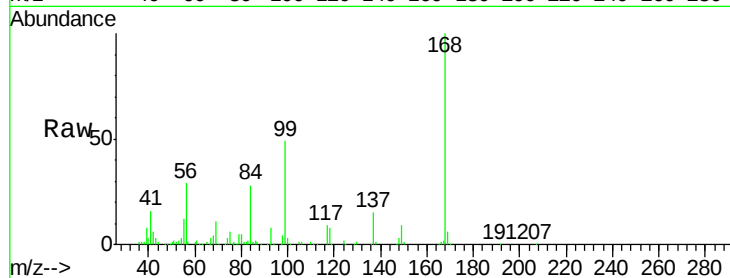
99 48.9 40.2 60.2

Manual Integrations

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4/14/2020 10:02:30 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

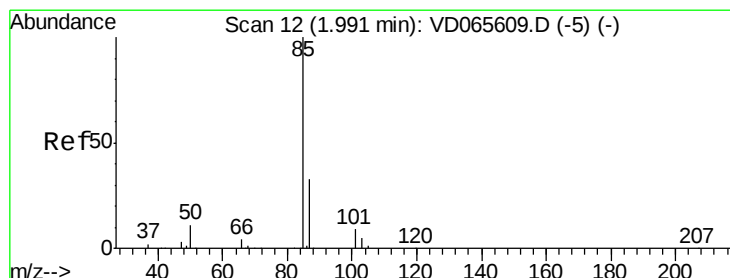
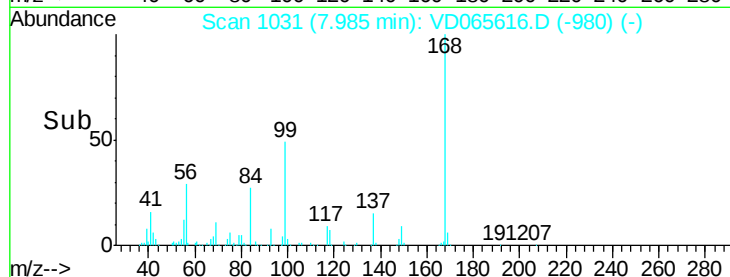
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.306 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065616.D

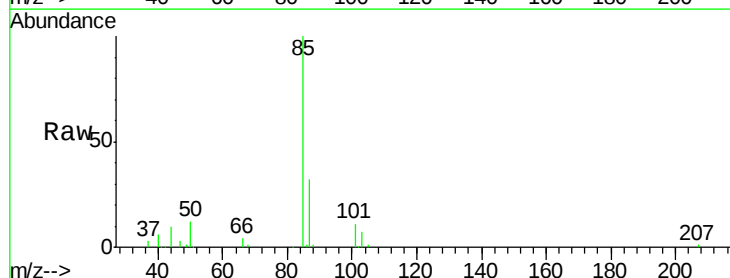
Acq: 13 Apr 2020 14:52

Tgt Ion: 85 Resp: 86316

Ion Ratio Lower Upper

85 100

87 32.0 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

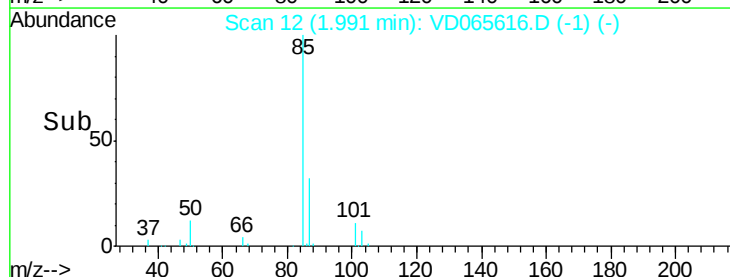
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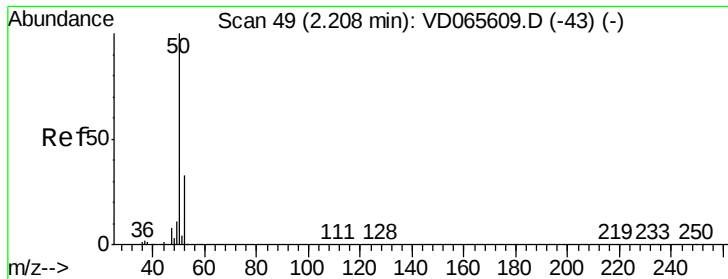
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20000

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Time-->





#3

Chloromethane

Concen: 18.932 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

Tot Ion: 50 Resp: 105260

Ion Ratio Lower Upper

50 100

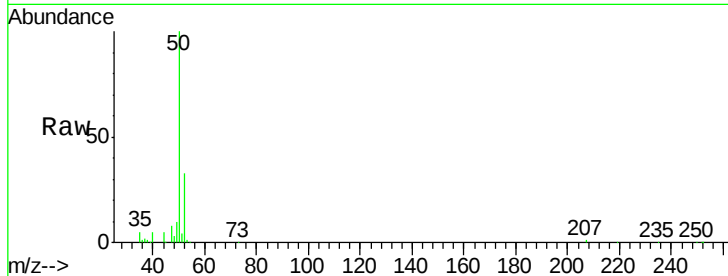
52 32.6 26.2 39.4

Manual Integrations

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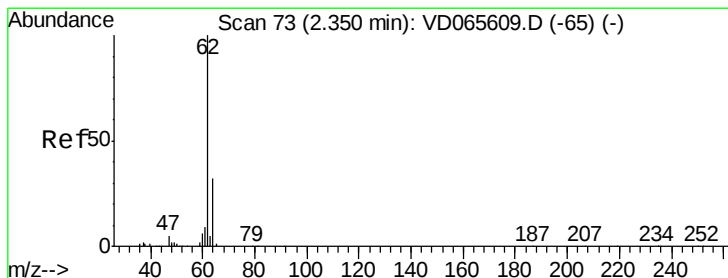
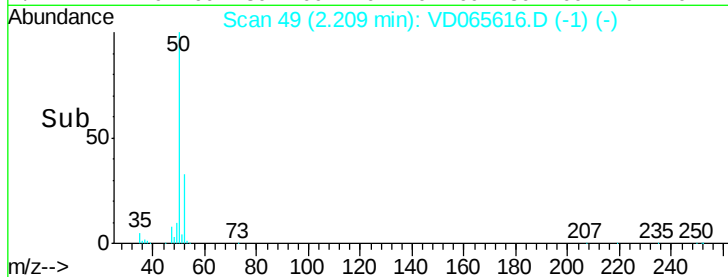
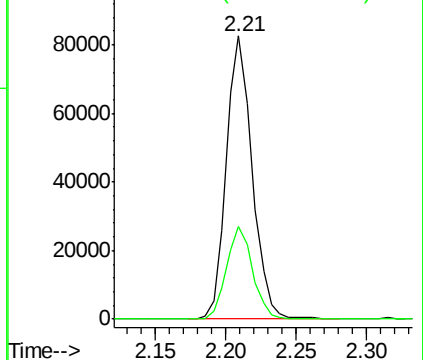
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.158 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065616.D

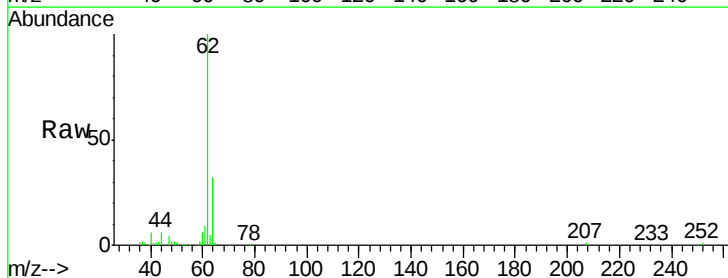
Acq: 13 Apr 2020 14:52

Tgt Ion: 62 Resp: 99591

Ion Ratio Lower Upper

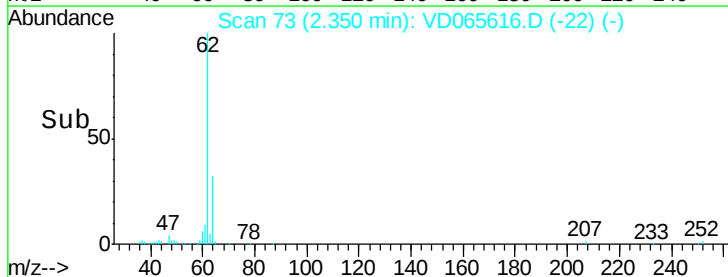
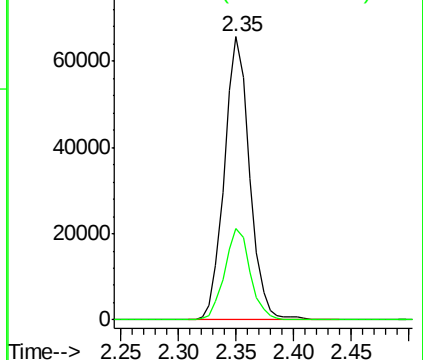
62 100

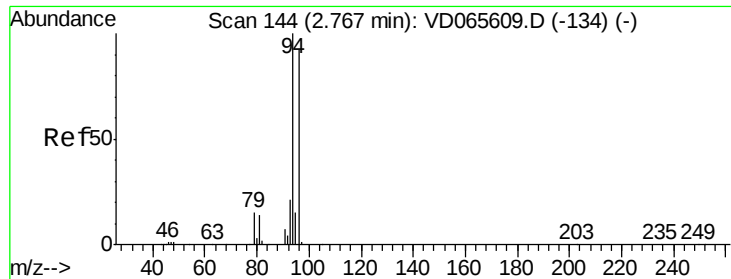
64 32.5 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.102 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

Tot Ion: 94 Resp: 70033

Ion Ratio Lower Upper

94 100

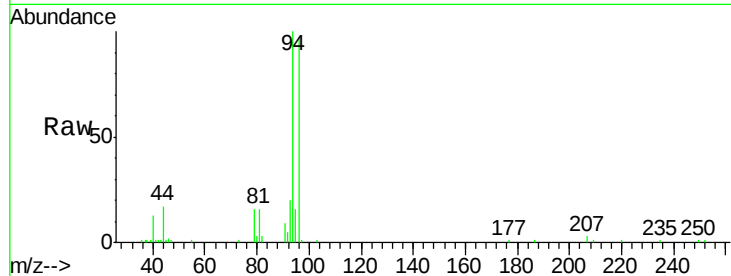
96 96.6 73.3 109.9

Manual Integrations

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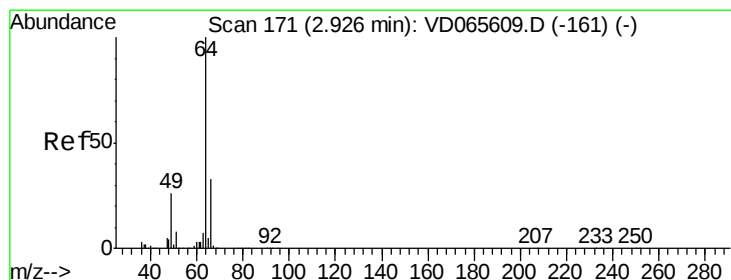
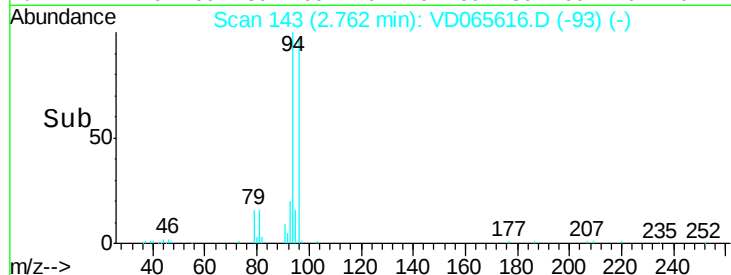
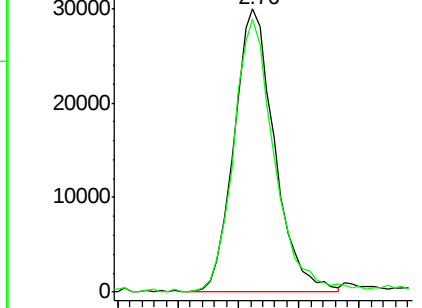
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.204 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065616.D

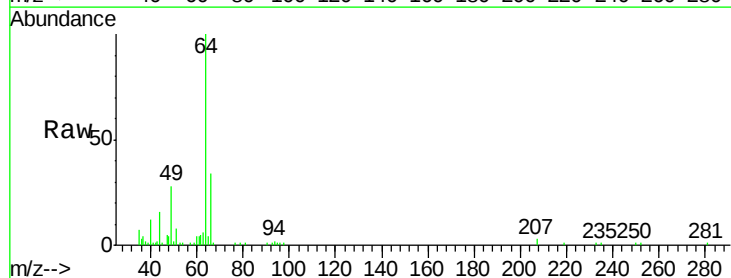
Acq: 13 Apr 2020 14:52

Tgt Ion: 64 Resp: 61480

Ion Ratio Lower Upper

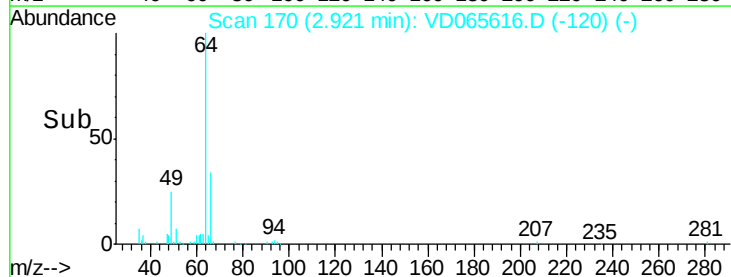
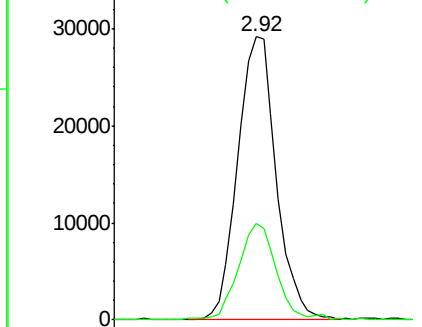
64 100

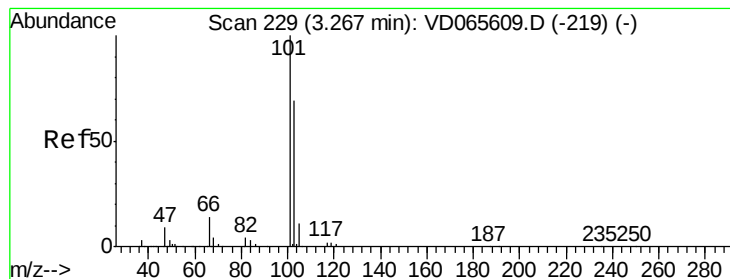
66 33.7 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

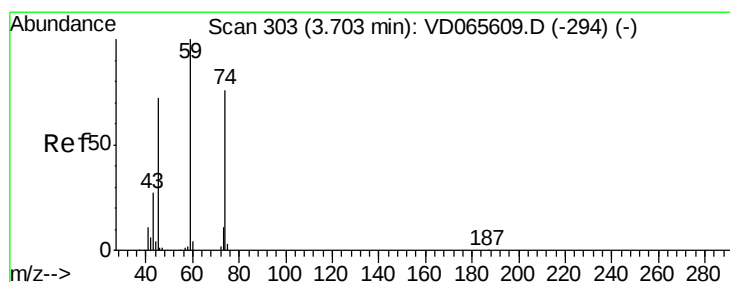
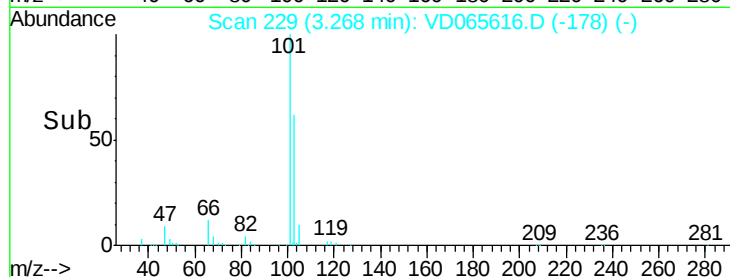
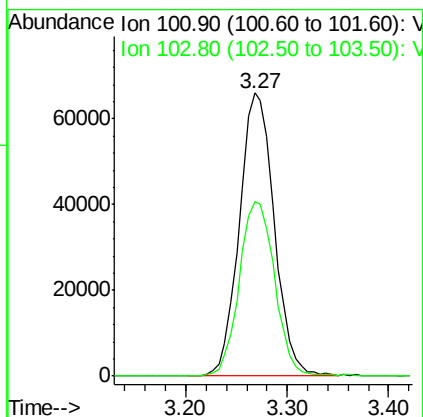
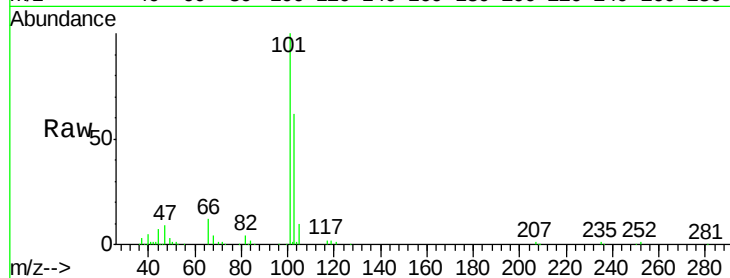
Trichlorofluoromethane
 Concen: 20.007 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Instrument :
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 VD0413SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	55.0	82.4

Manual Integrations
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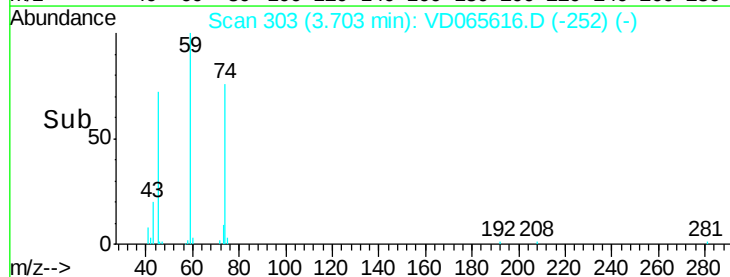
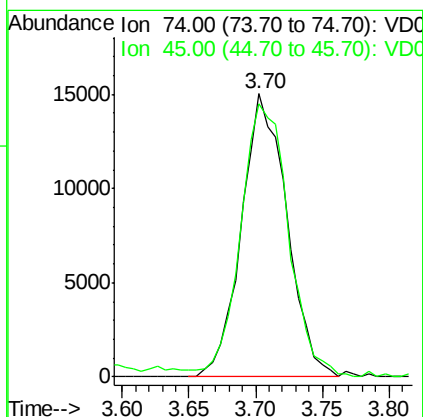
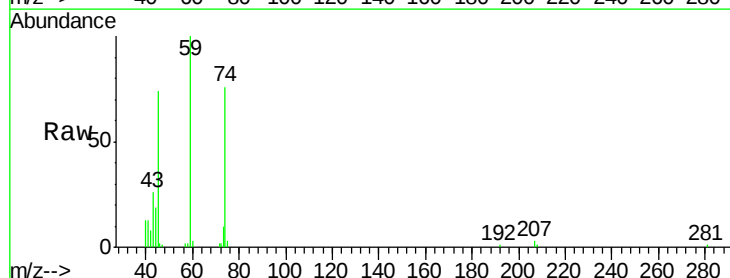
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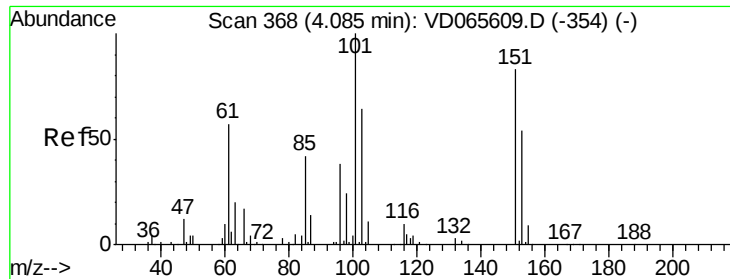


#8

Diethyl Ether
 Concen: 21.695 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.3	47.8	143.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.171 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

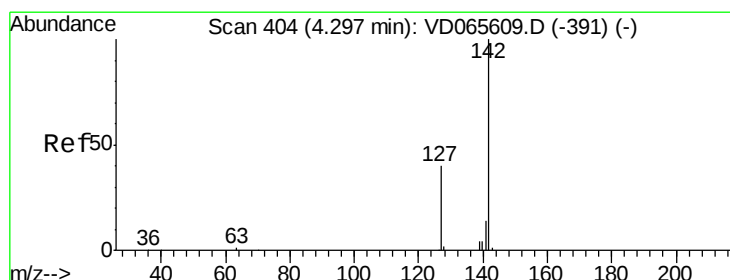
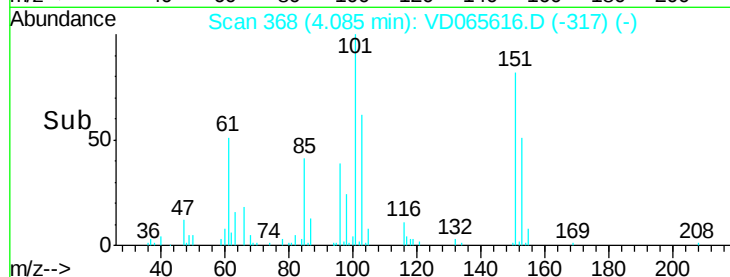
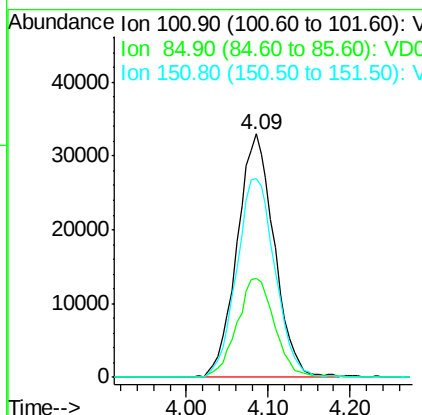
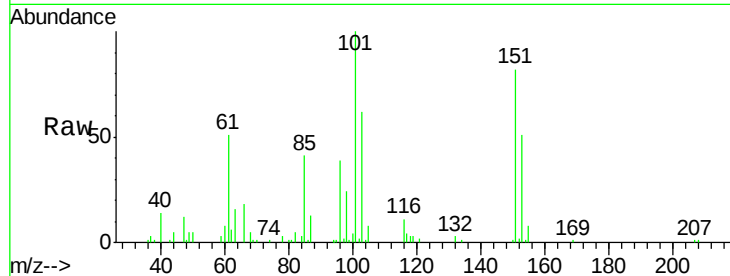
ClientSampleId :

VD0413SBS01

Tot Ion:	101	Resp:	103965
Ion Ratio	Lower	Upper	
101	100		
85	41.1	33.8	50.6
151	84.3	65.0	97.4

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#10

Methyl Iodide

Concen: 19.492 ug/l

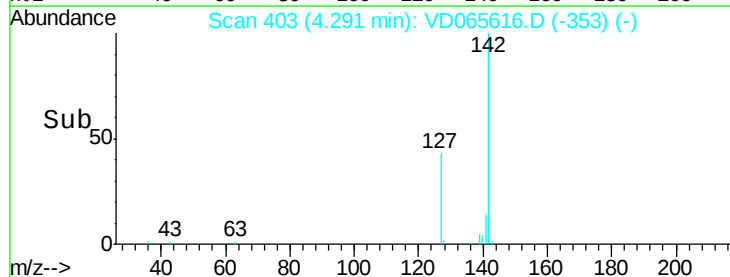
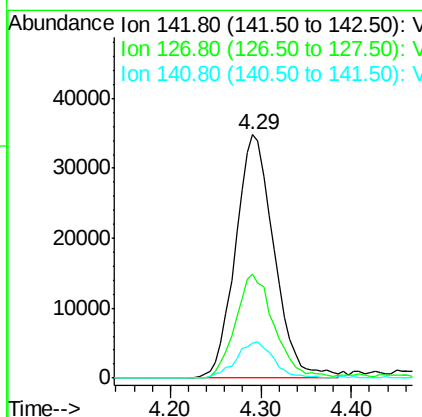
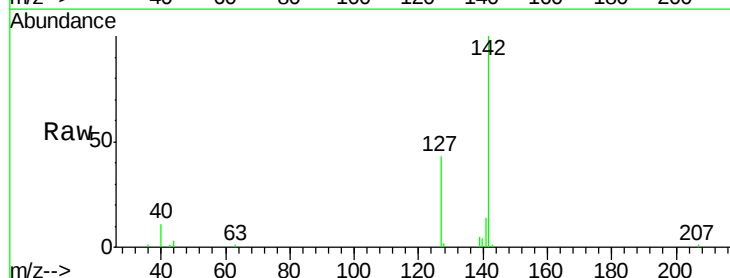
RT: 4.29 min Scan# 403

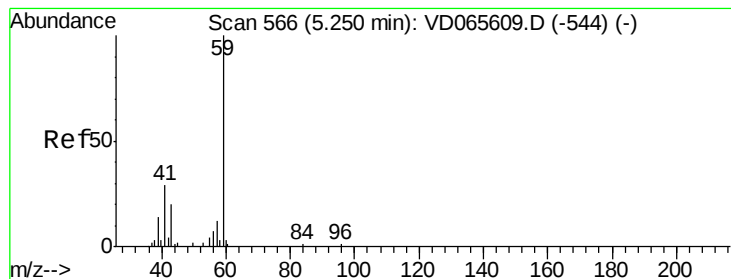
Delta R.T. -0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Tgt Ion:	142	Resp:	102967
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.6	51.8
141	14.5	11.7	17.5





#11

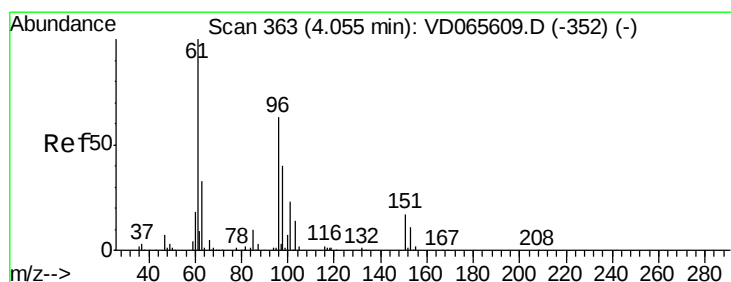
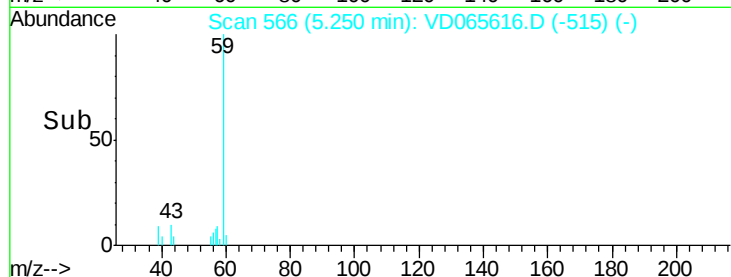
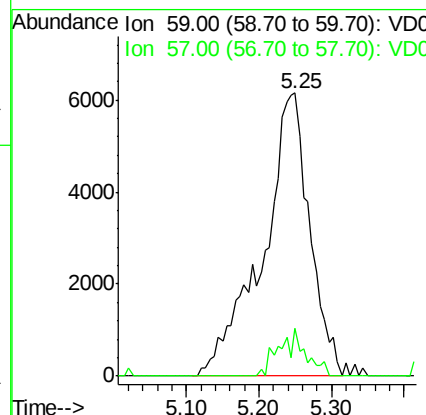
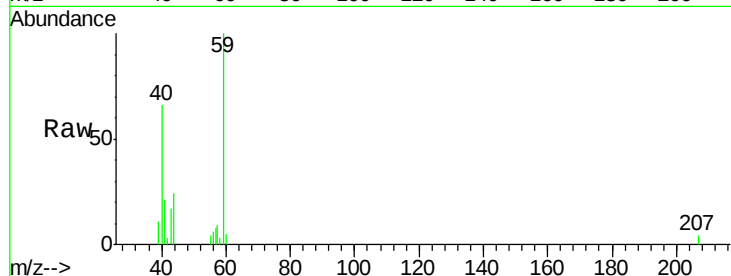
Tert butyl alcohol
Concen: 117.695 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	27862		
57	4.8		8.1	12.1#

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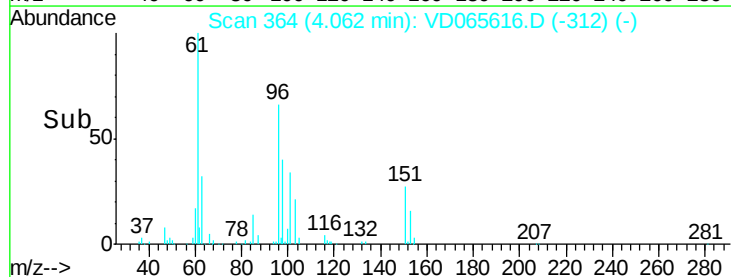
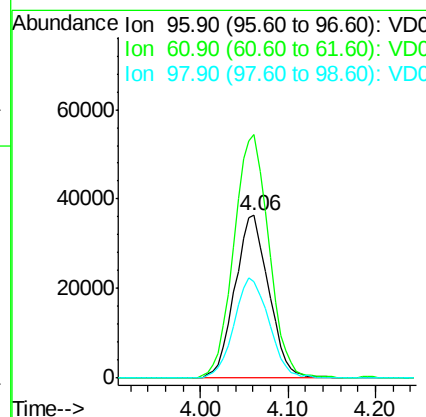
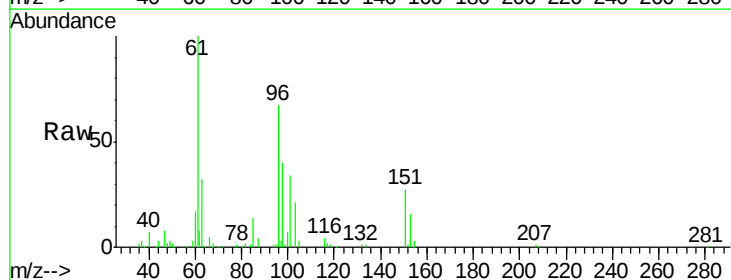
MMDadoda
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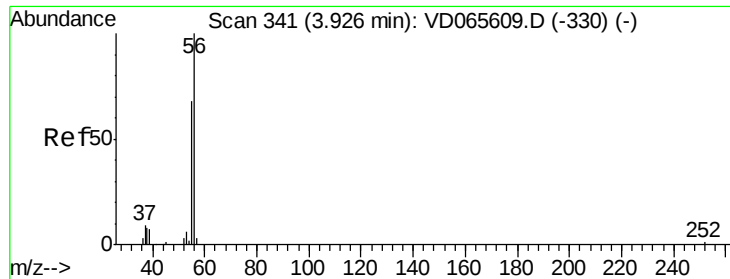


#12

1,1-Dichloroethene
Concen: 20.224 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	96142		
61	149.9		126.6	190.0
98	59.3		50.2	75.4





#13

Acrolein

Concen: 95.916 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

Tot Ion: 56 Resp: 31518

Ion Ratio Lower Upper

56 100

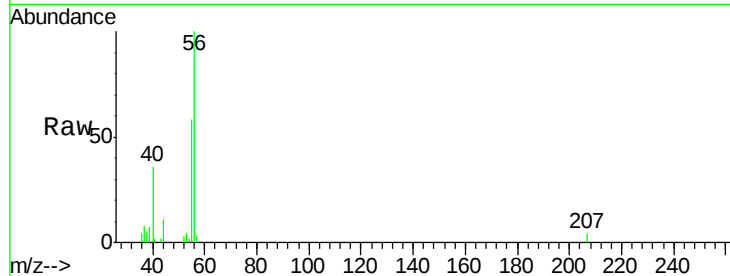
55 66.2 57.9 86.9

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

15000

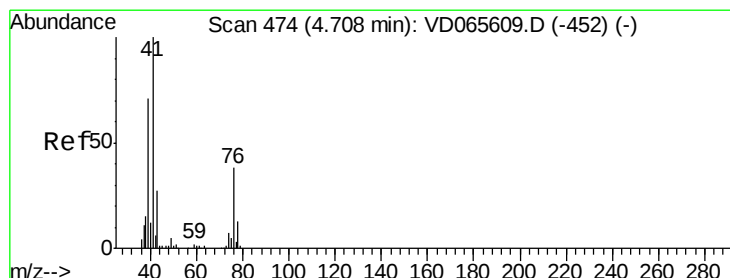
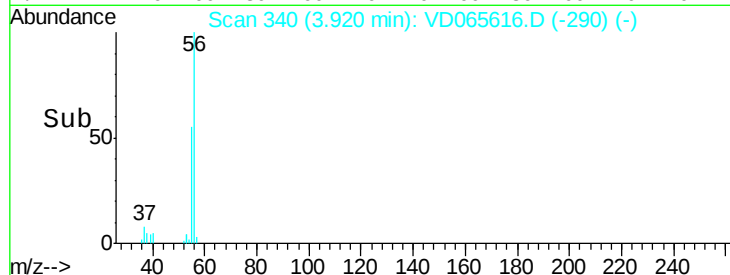
10000

5000

0

Time--> 3.80 3.90 4.00

3.92



#14

Allyl chloride

Concen: 19.458 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

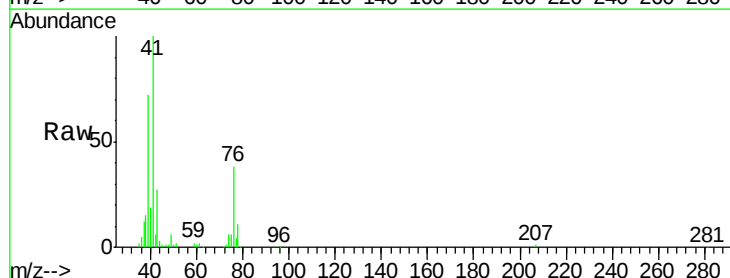
Tgt Ion: 41 Resp: 137214

Ion Ratio Lower Upper

41 100

39 70.1 54.2 81.2

76 37.7 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

60000

50000

40000

30000

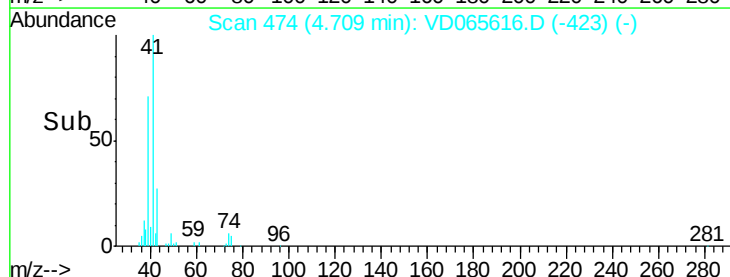
20000

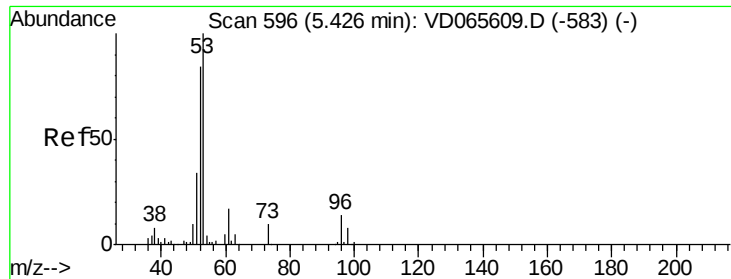
10000

0

Time--> 4.50 4.60 4.70 4.80

4.71





#15

Acrylonitrile

Concen: 94.865 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

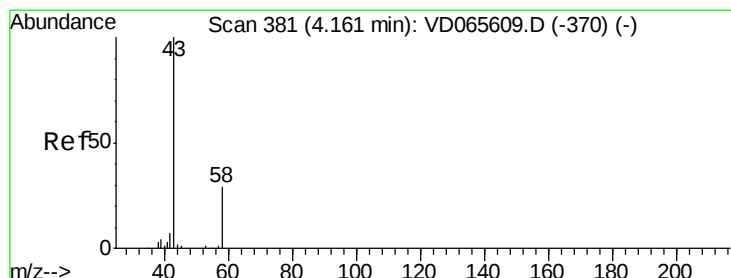
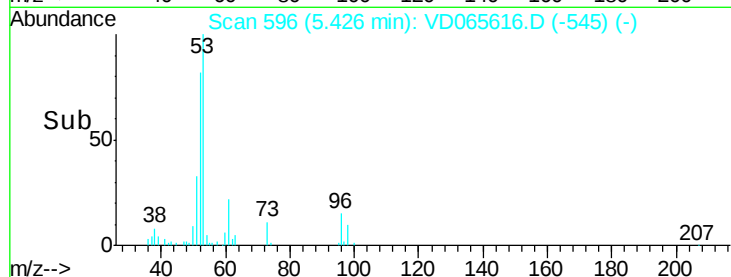
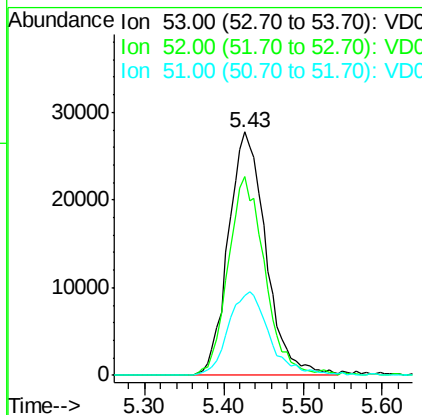
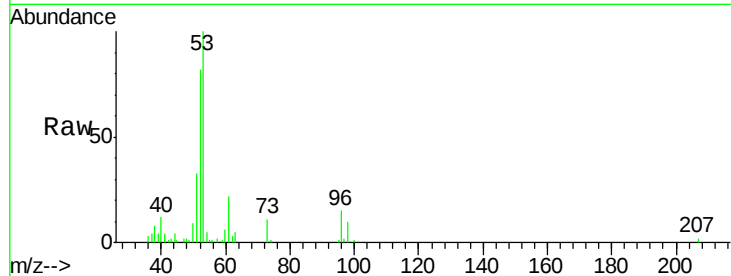
ClientSampleId :

VD0413SBS01

Tot Ion:	53	Resp:	91132
Ion Ratio	Lower	Upper	
53	100		
52	78.9	65.3	97.9
51	37.2	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 98.576 ug/l

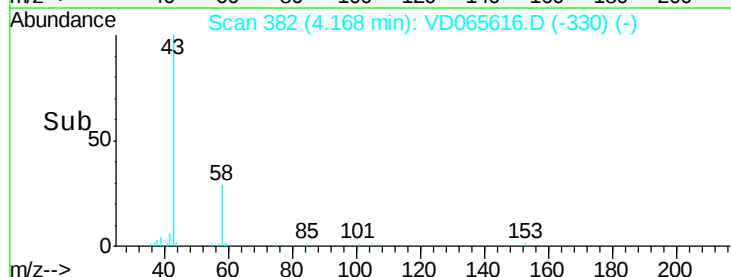
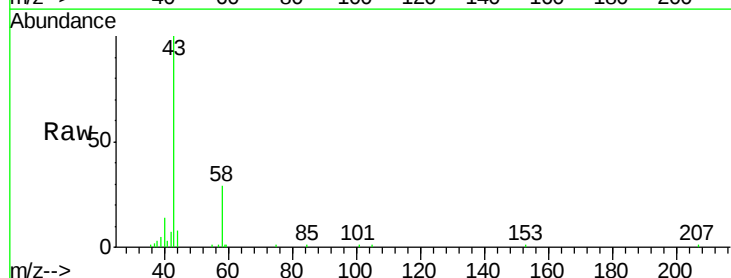
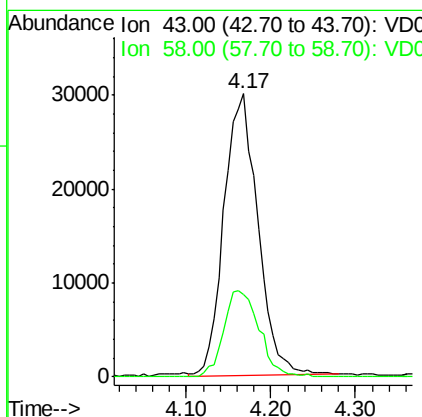
RT: 4.17 min Scan# 382

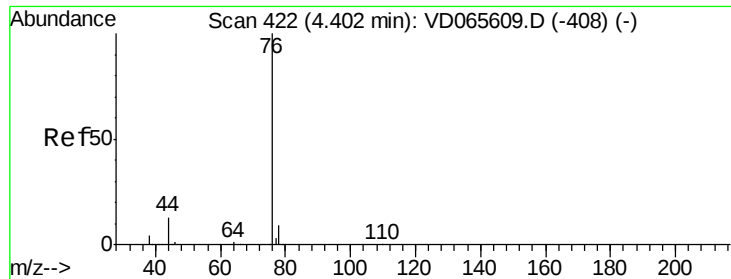
Delta R.T. 0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Tgt Ion:	43	Resp:	83472
Ion Ratio	Lower	Upper	
43	100		
58	29.3	23.2	34.8





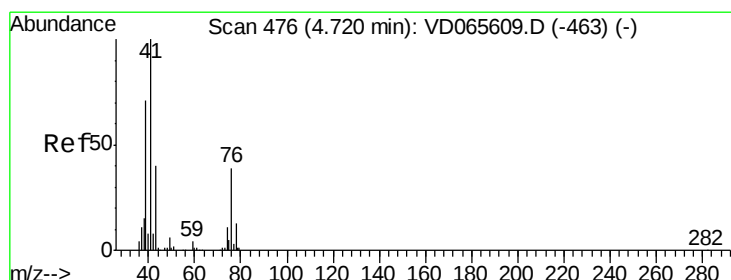
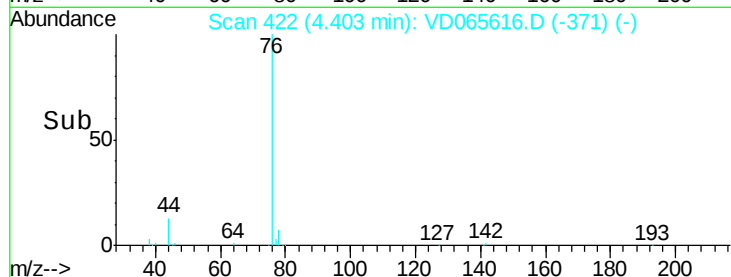
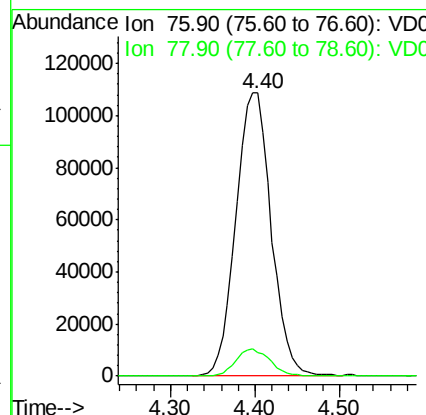
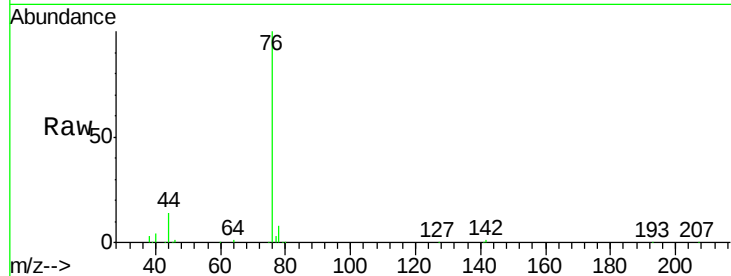
#17
Carbon Disulfide
Concen: 19.913 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.3	10.9

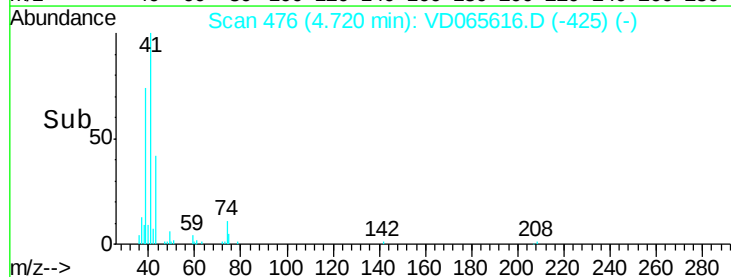
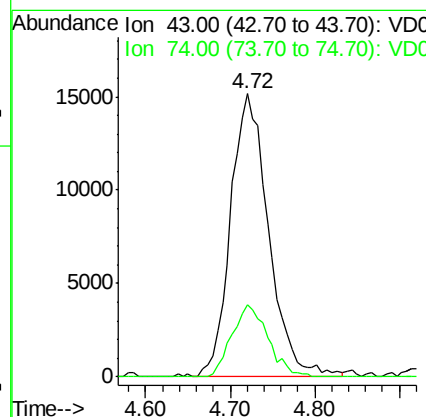
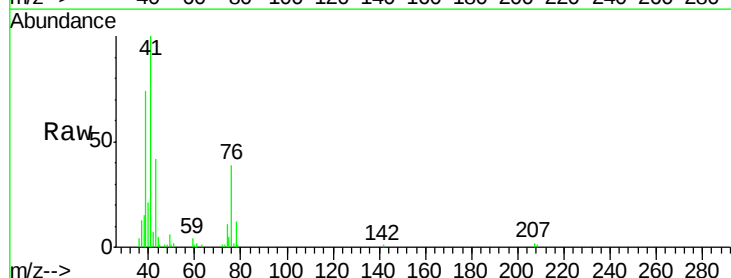
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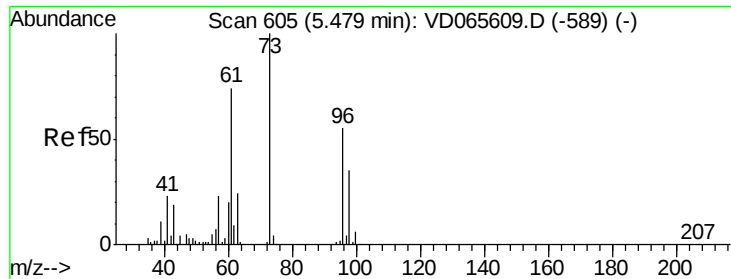
MMDadoda
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#18
Methyl Acetate
Concen: 18.969 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	20.2	30.2





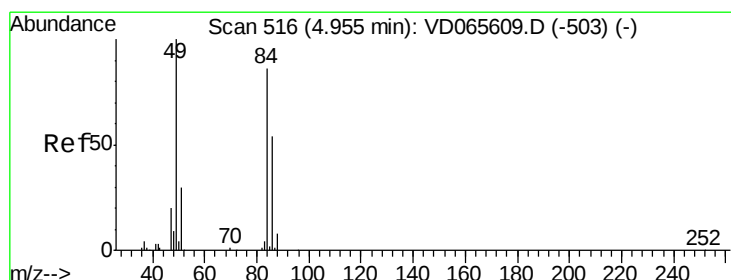
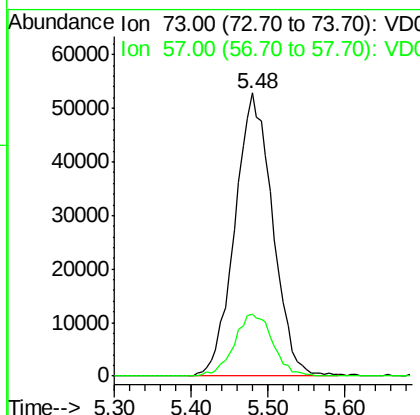
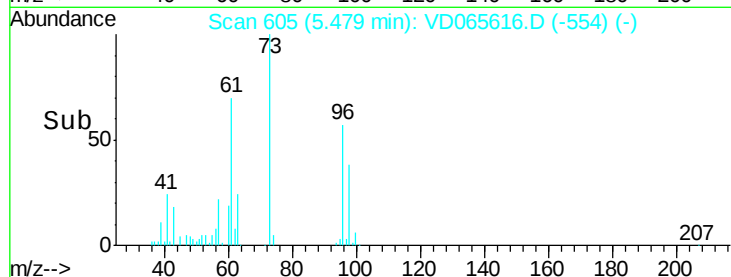
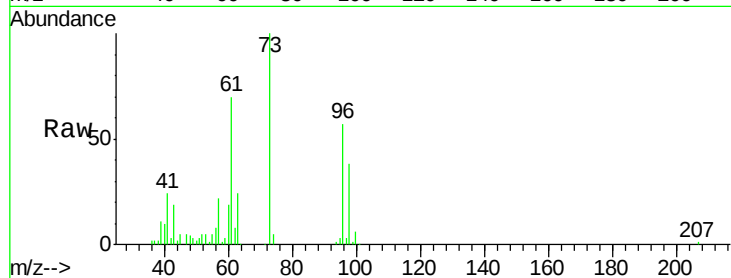
#19
Methvl tert-butvl Ether
Concen: 19.697 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

Tot Ion: 73 Resp: 181019
Ion Ratio Lower Upper
73 100
57 21.7 18.2 27.2

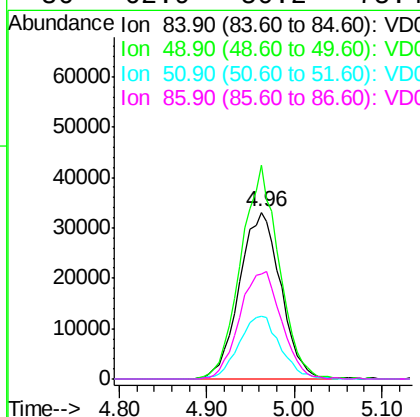
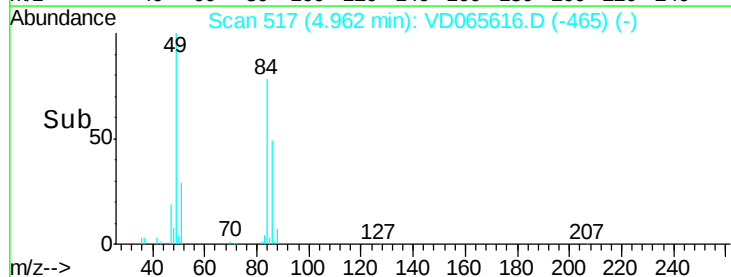
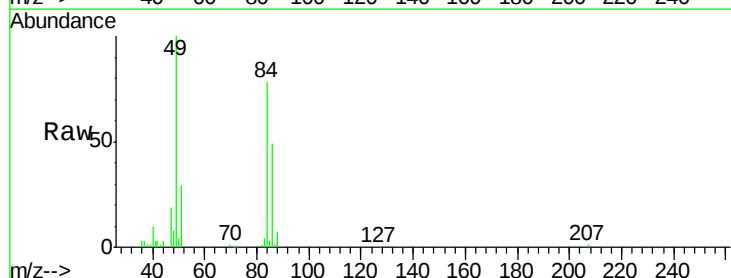
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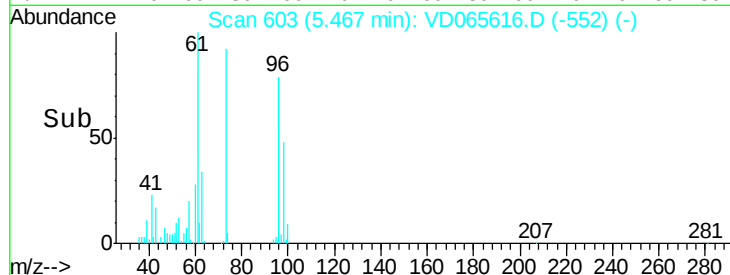
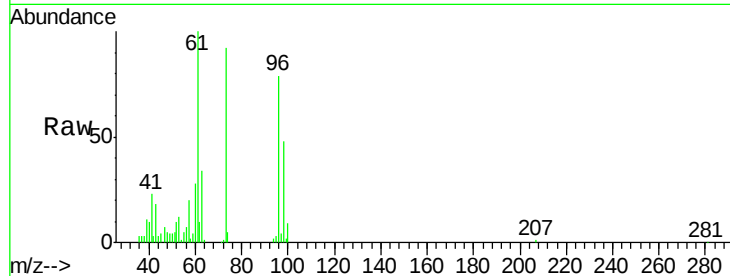
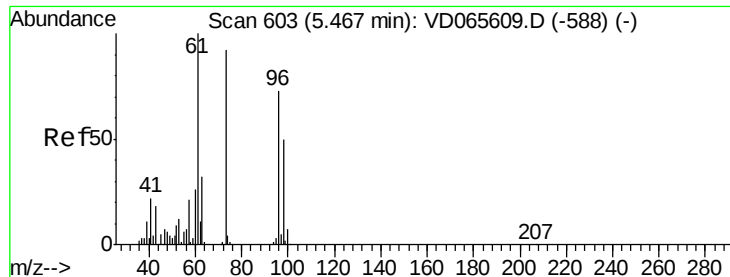
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#20
Methylene Chloride
Concen: 18.961 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion: 84 Resp: 106134
Ion Ratio Lower Upper
84 100
49 128.1 93.4 140.2
51 37.6 28.5 42.7
86 62.9 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 20.254 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065616.D

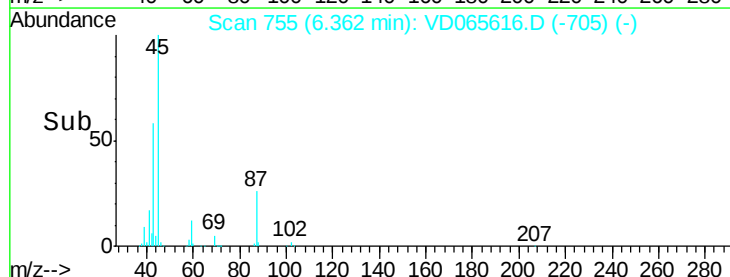
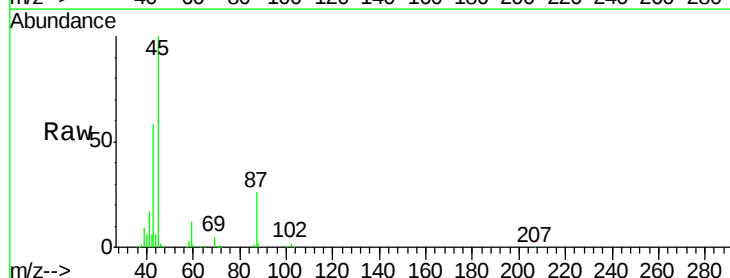
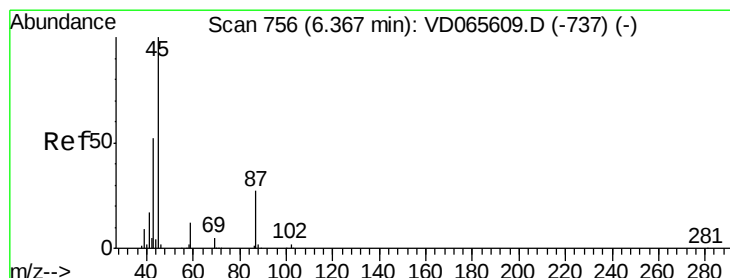
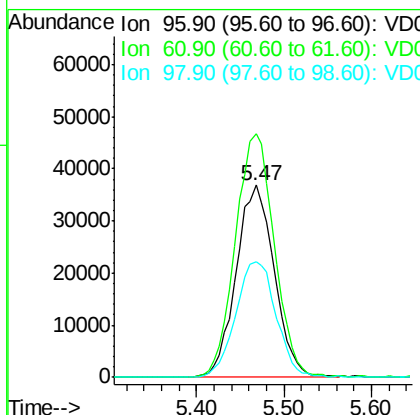
Acq: 13 Apr 2020 14:52

Tot Ion:	96	Resp:	109277
Ion	Ratio	Lower	Upper
96	100		
61	126.6	109.8	164.6
98	60.2	54.8	82.2

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

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#22

Diisopropyl ether

Concen: 20.461 ug/l

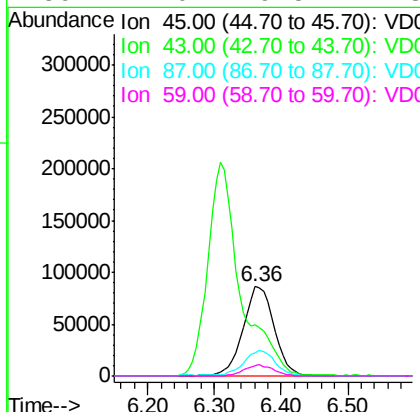
RT: 6.36 min Scan# 755

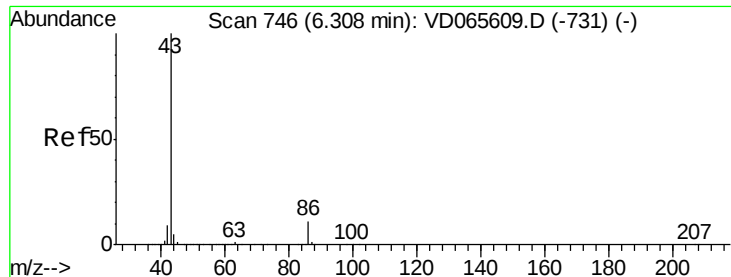
Delta R.T. -0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Tgt Ion:	45	Resp:	277336
Ion	Ratio	Lower	Upper
45	100		
43	56.9	42.5	63.7
87	26.1	22.3	33.5
59	12.0	9.5	14.3





#23

Vinyl Acetate

Concen: 98.468 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

Tot Ion: 43 Resp: 706141

Ion Ratio Lower Upper

43 100

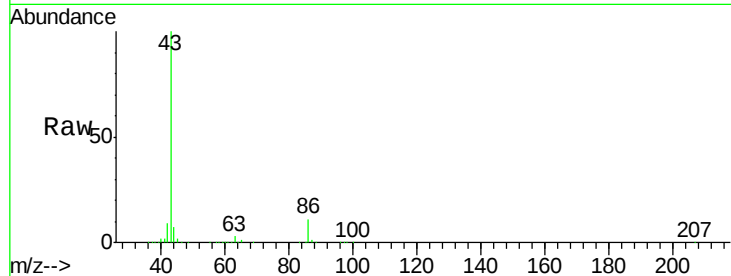
86 11.2 9.1 13.7

Manual Integrations

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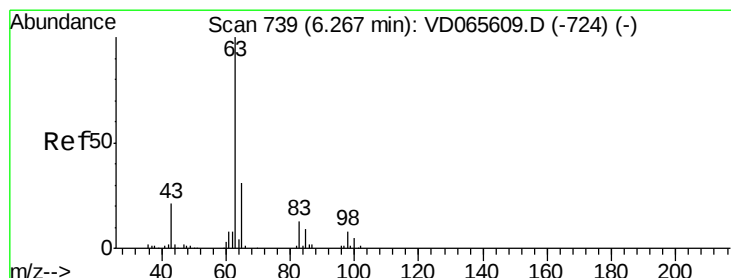
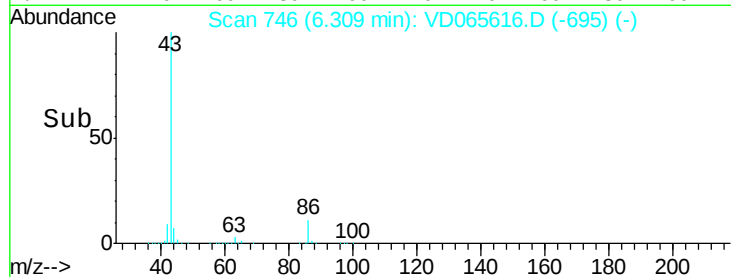
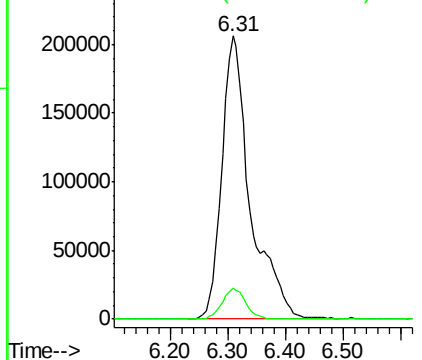
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.735 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

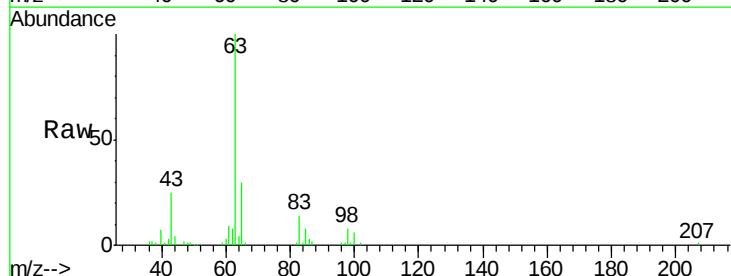
Tgt Ion: 63 Resp: 177961

Ion Ratio Lower Upper

63 100

98 7.8 4.0 11.9

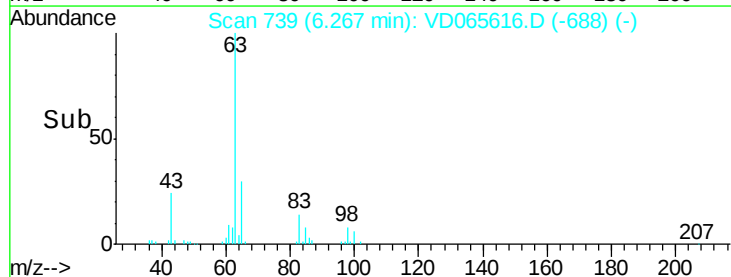
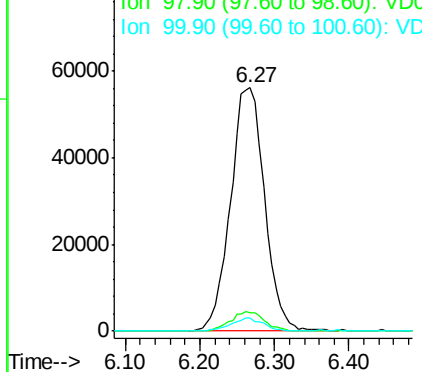
100 5.5 2.6 7.8

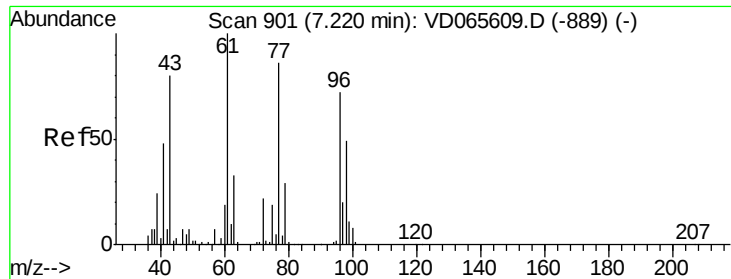


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 90.723 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

Tot Ion: 43 Resp: 105150

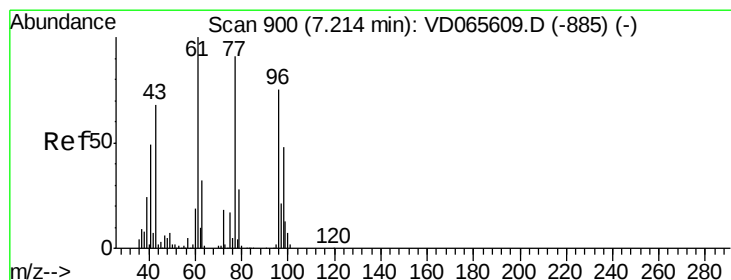
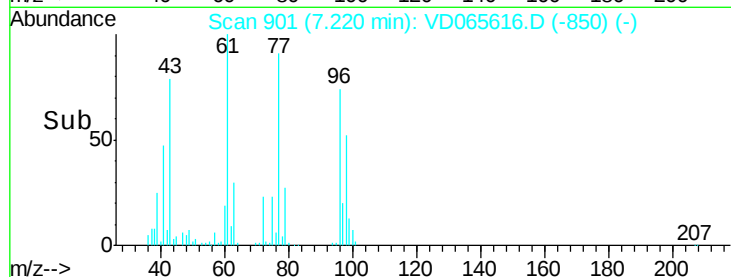
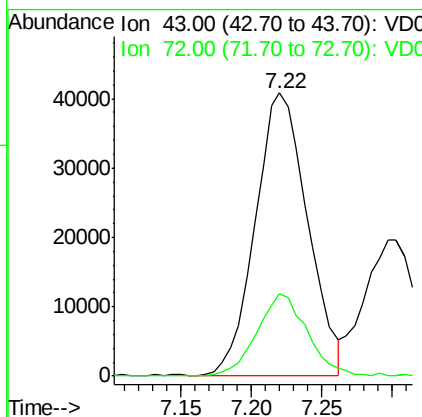
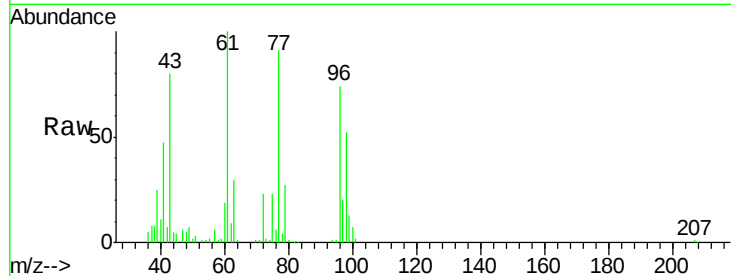
Ion Ratio Lower Upper

43 100

72 29.1 22.5 33.7

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 20.218 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065616.D

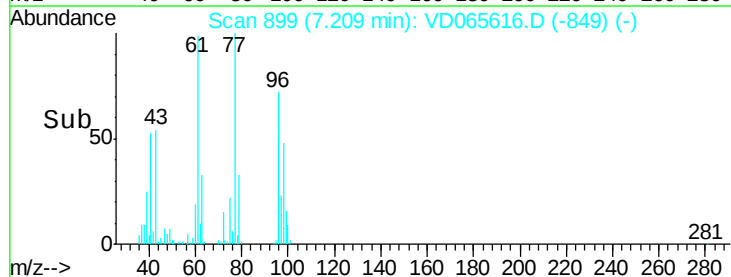
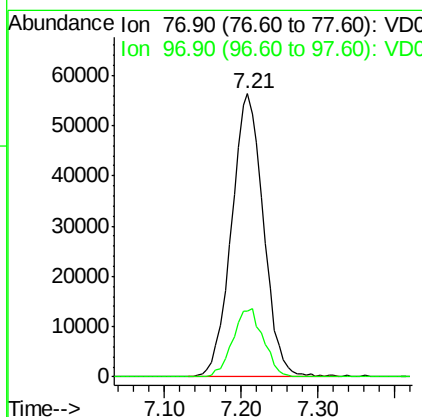
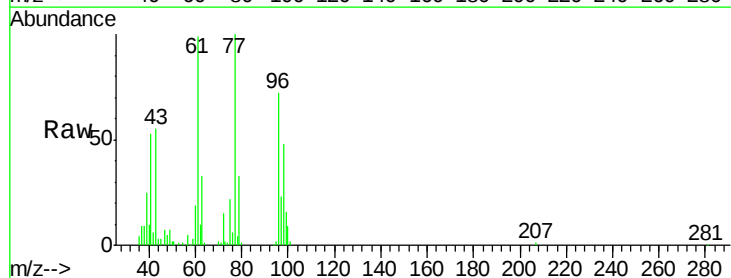
Acq: 13 Apr 2020 14:52

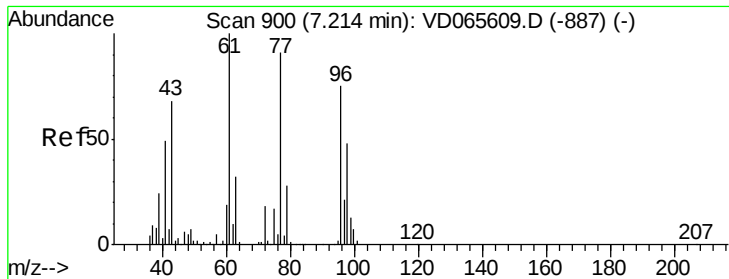
Tgt Ion: 77 Resp: 163158

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.1





#27

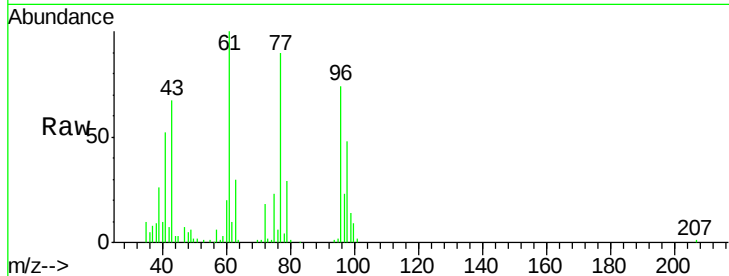
cis-1,2-Dichloroethene
 Concen: 20.408 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

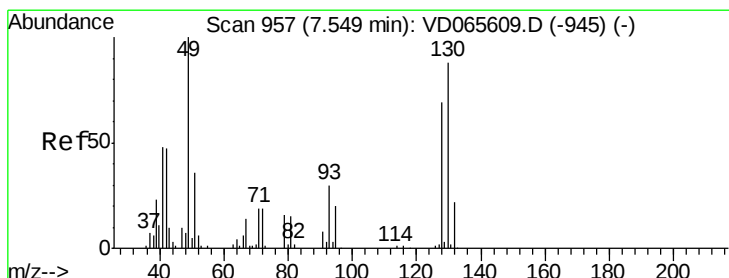
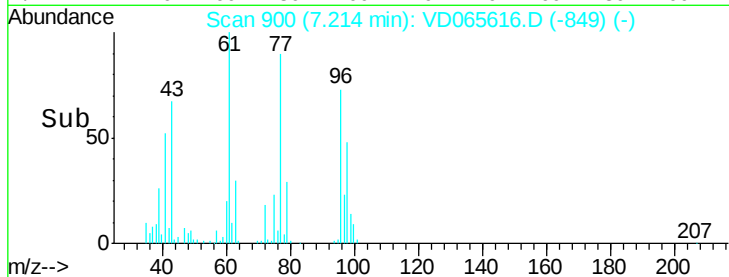
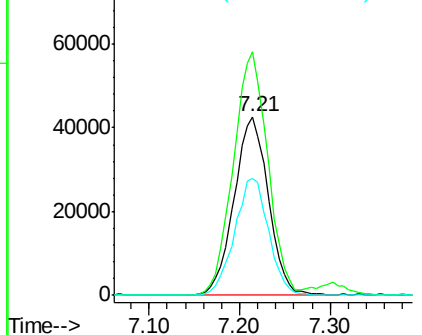
Tot Ion	Ratio	Resp	Lower	Upper
96	100	112688		
61	136.5	0.0	279.0	
98	64.9	0.0	130.2	

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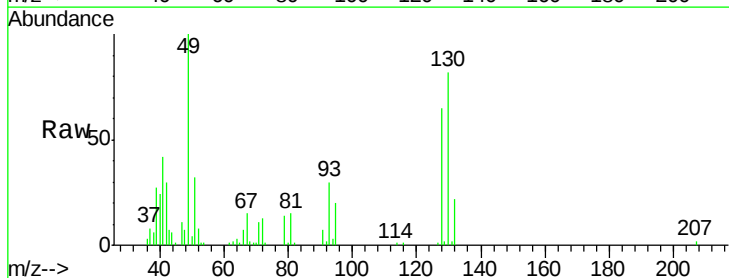
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



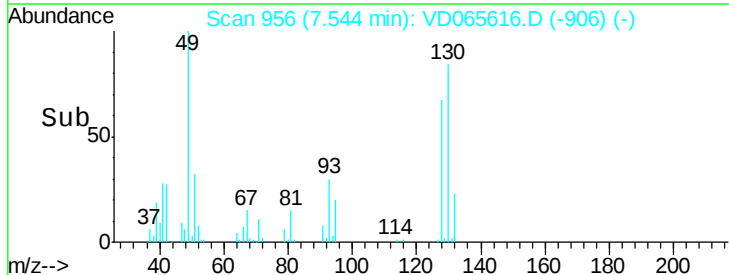
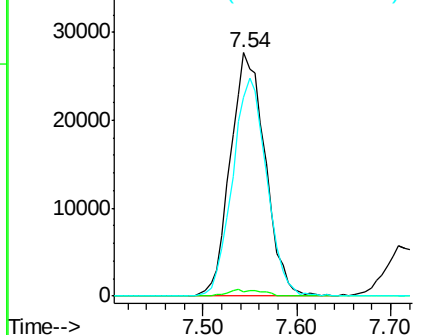
#28

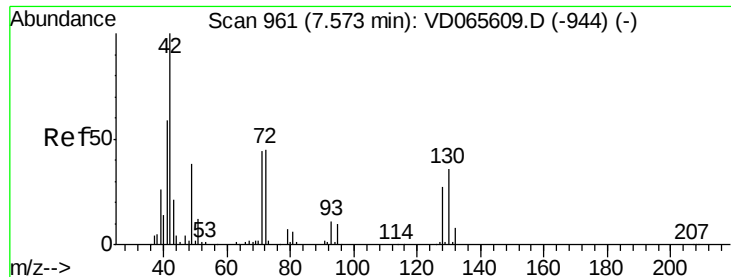
Bromochloromethane
 Concen: 19.630 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	71047		
129	2.6	0.0	4.8	
130	88.2	69.4	104.2	



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





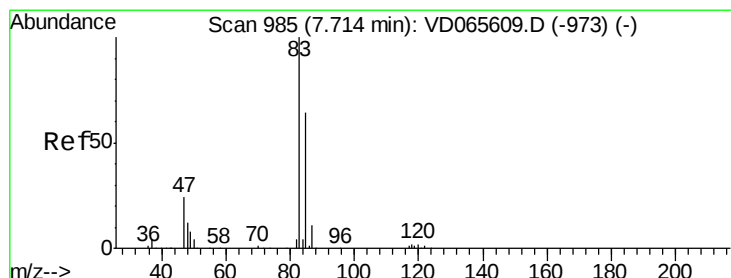
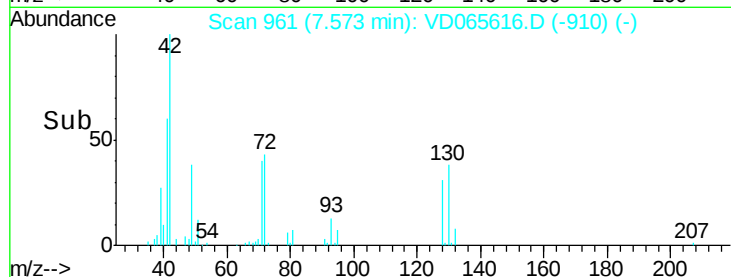
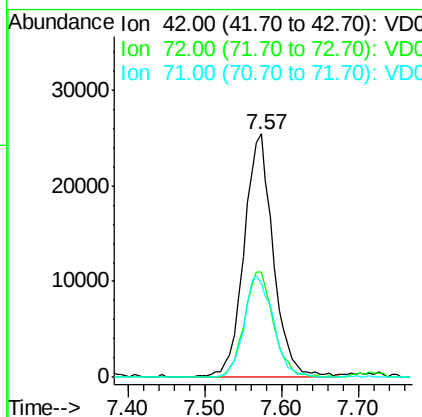
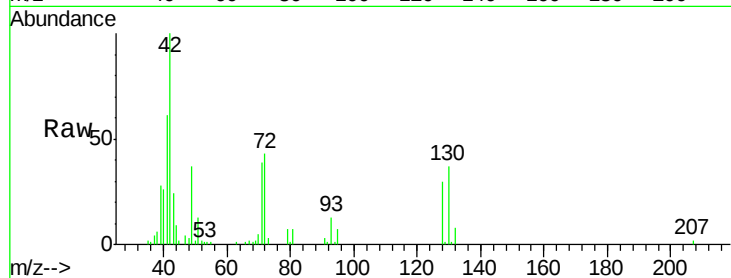
#29
Tetrahydrofuran
Concen: 93.131 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	35.3	52.9
71	41.3	33.1	49.7

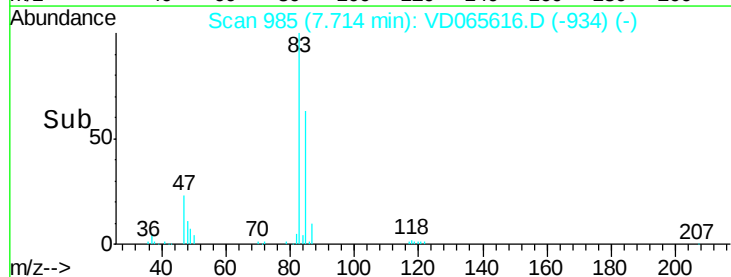
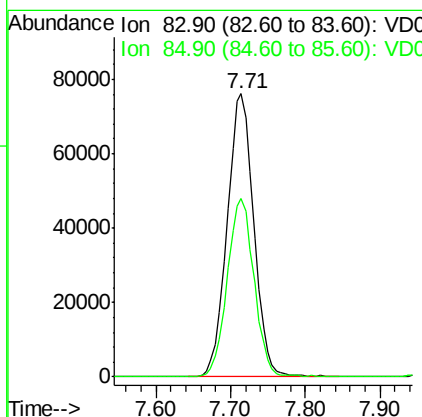
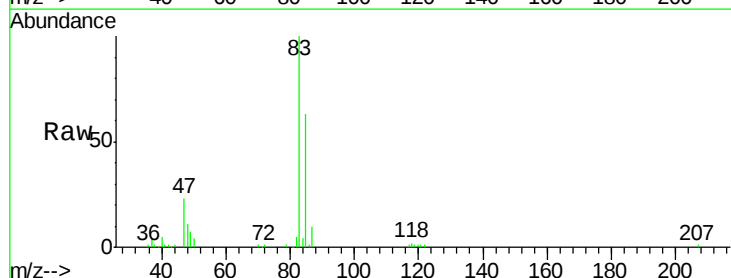
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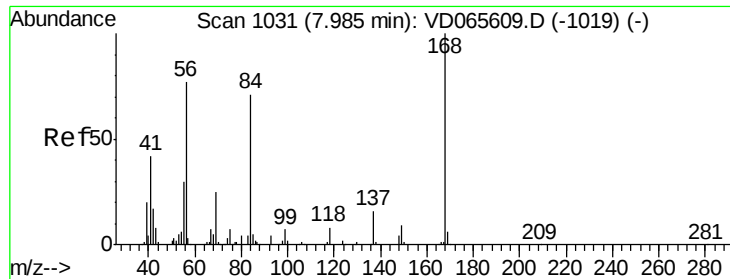
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#30
Chloroform
Concen: 19.963 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.9	76.3





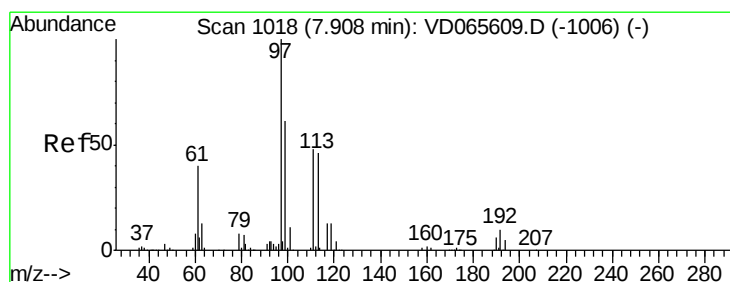
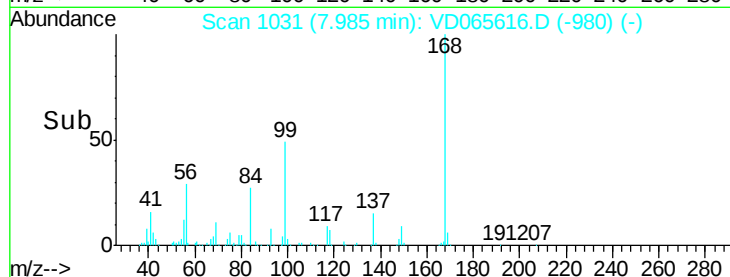
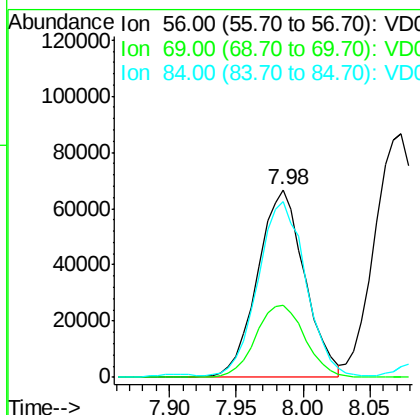
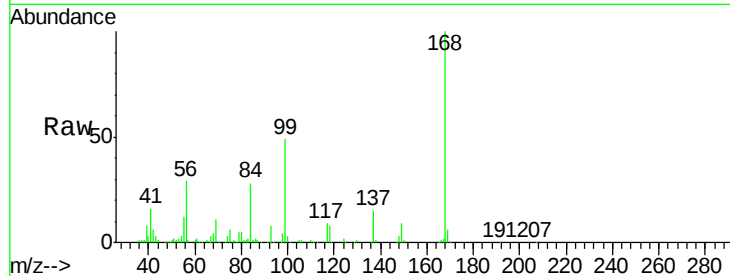
#31
Cyclohexane
Concen: 19.459 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.2	26.2	39.4
84	91.9	73.7	110.5

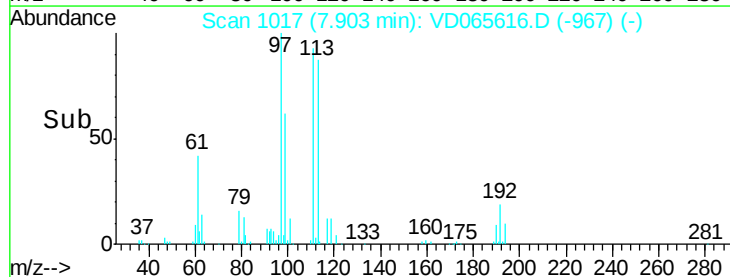
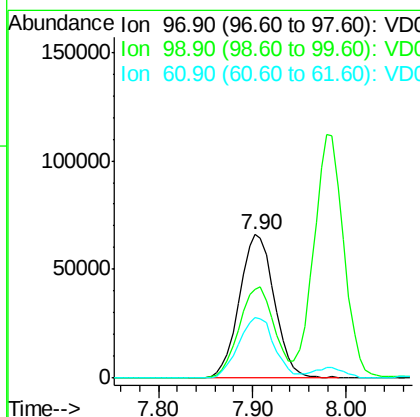
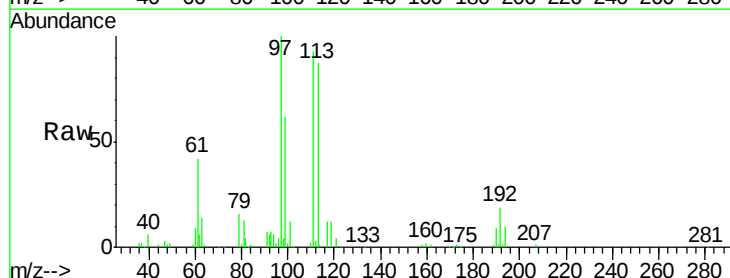
Manual Integrations
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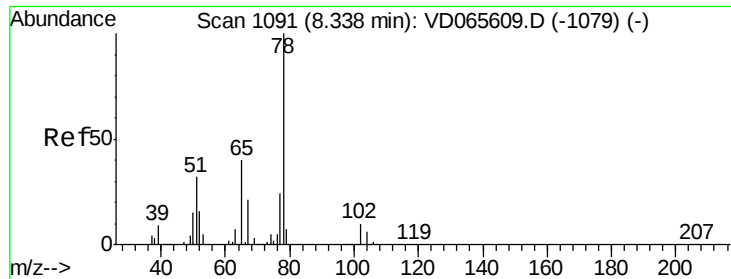
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#32
1,1,1-Trichloroethane
Concen: 19.992 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.2	75.2
61	43.7	33.5	50.3





#33

1,2-Dichloroethane-d4

Concen: 45.384 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

Tot Ion: 65 Resp: 212822

Ion Ratio Lower Upper

65 100

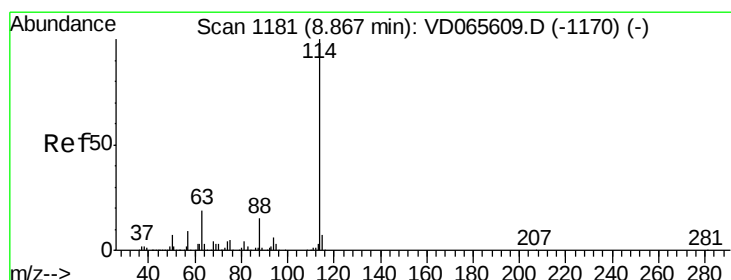
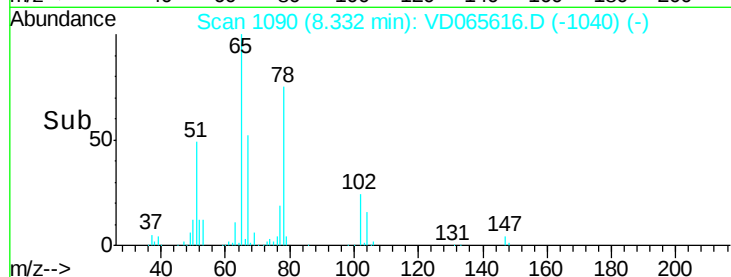
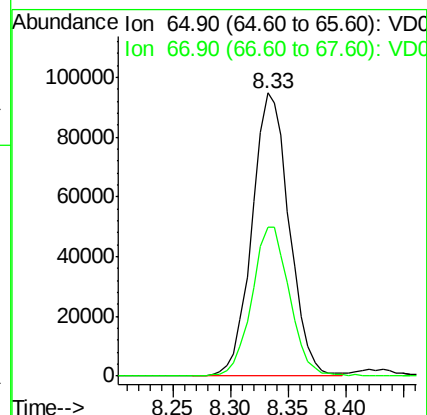
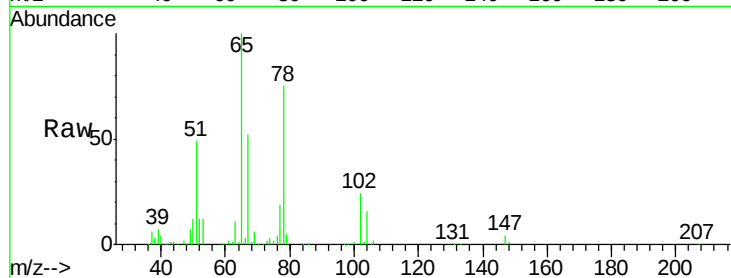
67 53.4 0.0 107.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

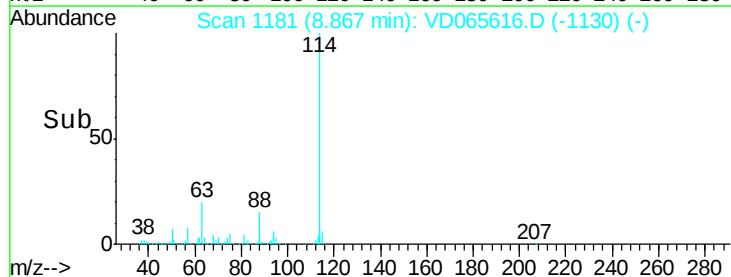
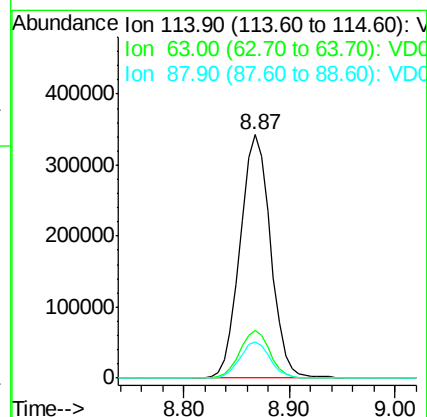
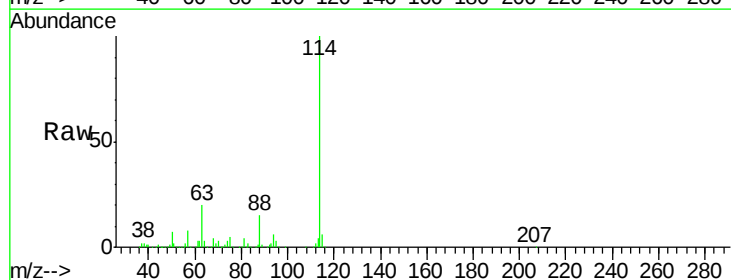
Tgt Ion: 114 Resp: 685078

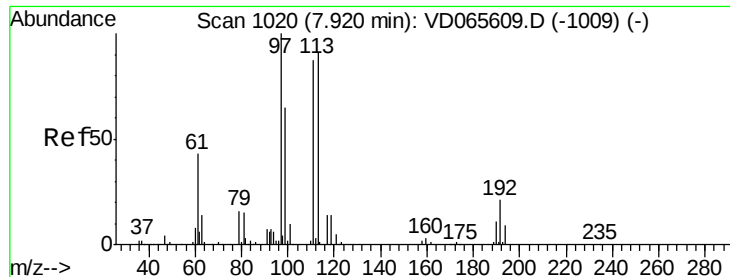
Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.2

88 15.0 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.416 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

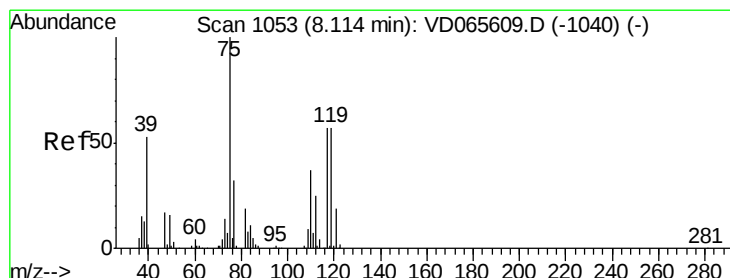
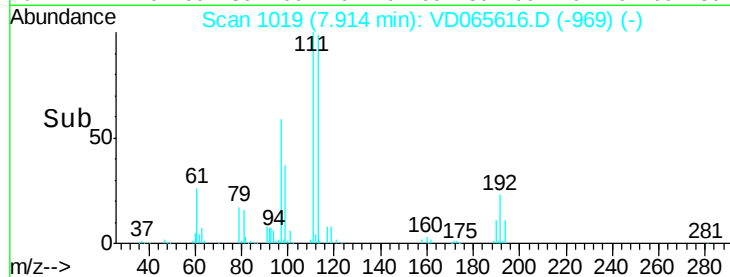
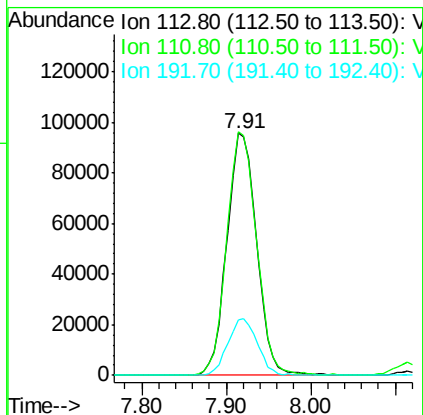
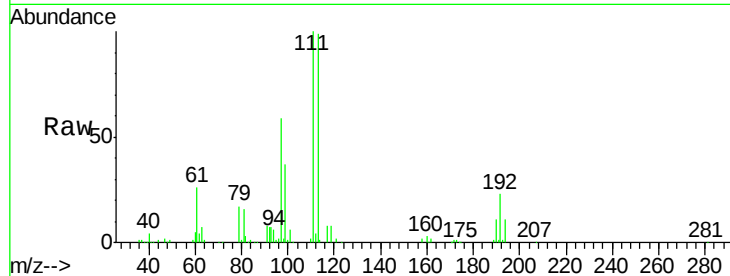
ClientSampleId :

VD0413SBS01

Tot Ion:	113	Resp:	231724
Ion Ratio	Lower	Upper	
113	100		
111	101.5	80.6	120.8
192	23.2	18.6	27.8

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#36

1,1-Dichloropropene

Concen: 21.203 ug/l

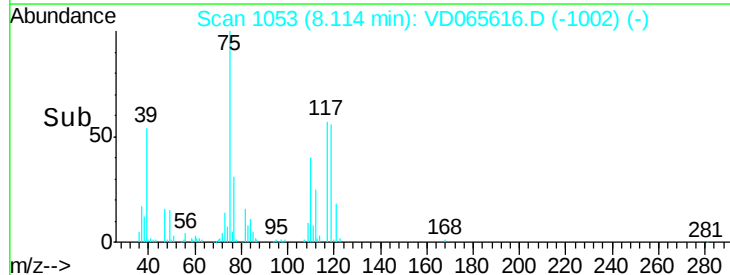
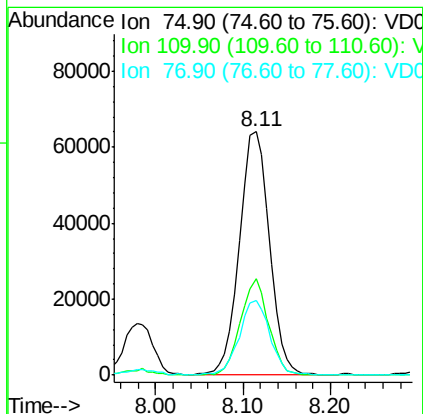
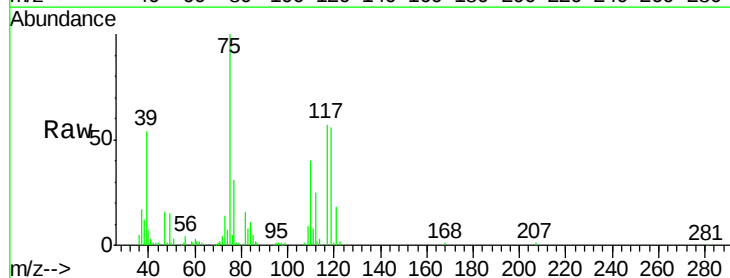
RT: 8.11 min Scan# 1053

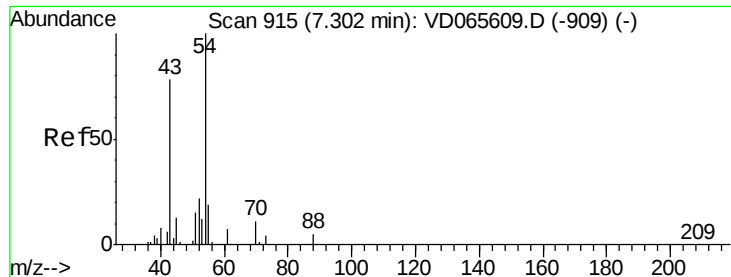
Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Tgt Ion:	75	Resp:	149549
Ion Ratio	Lower	Upper	
75	100		
110	36.6	18.3	54.9
77	31.1	25.0	37.6





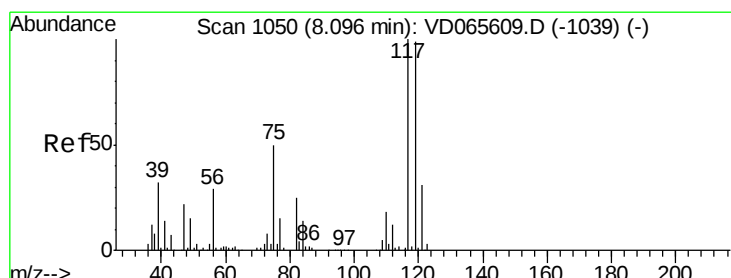
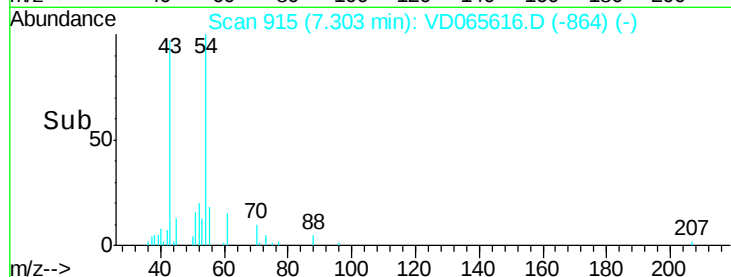
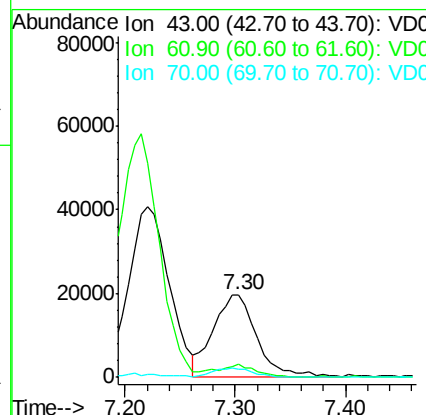
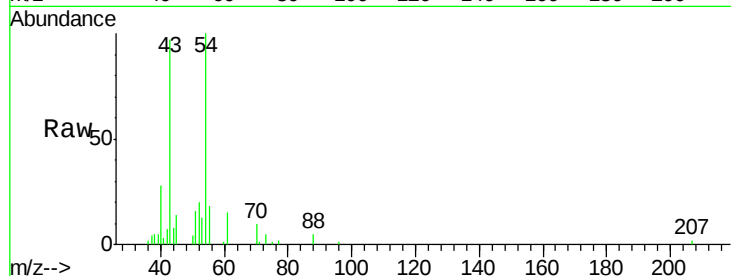
#37
Ethyl Acetate
Concen: 20.158 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.3	16.9
70	10.4	8.6	13.0

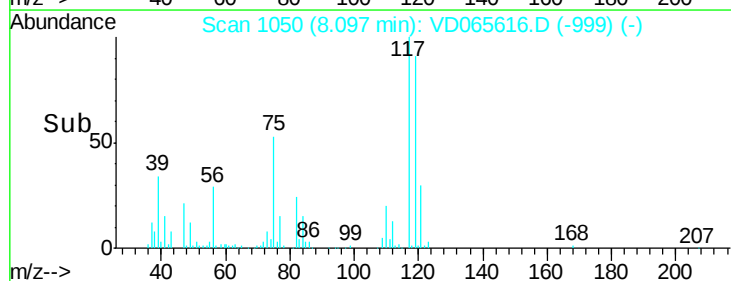
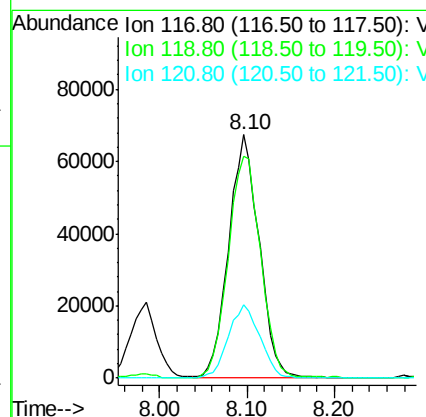
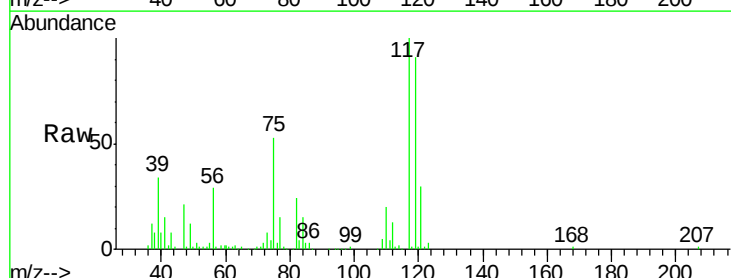
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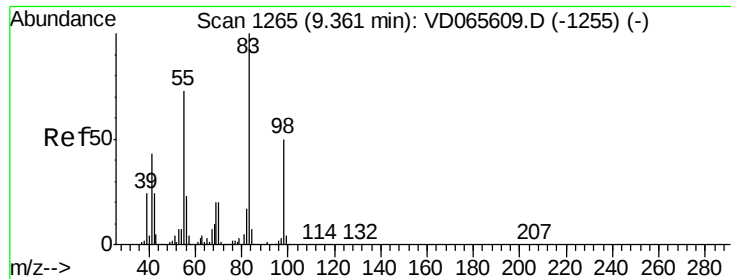
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#38
Carbon Tetrachloride
Concen: 21.021 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.1	78.9	118.3
121	30.1	24.6	37.0





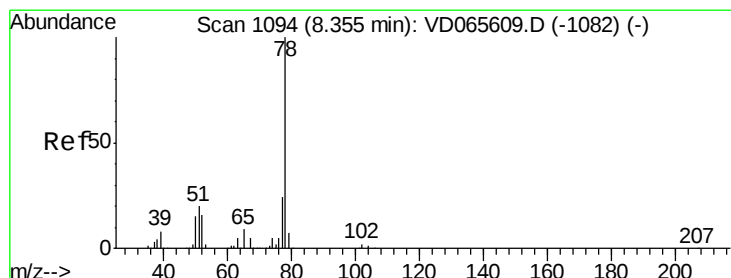
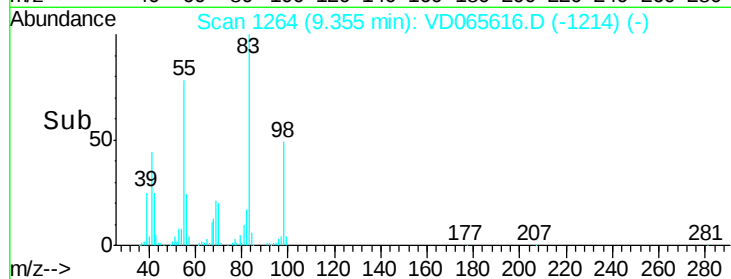
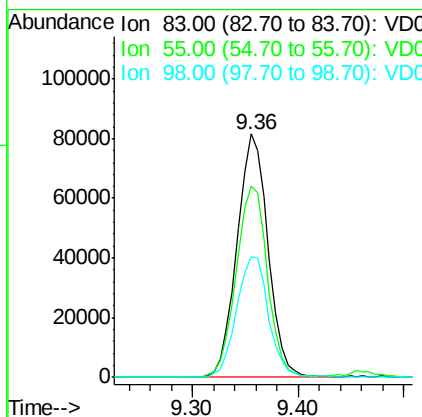
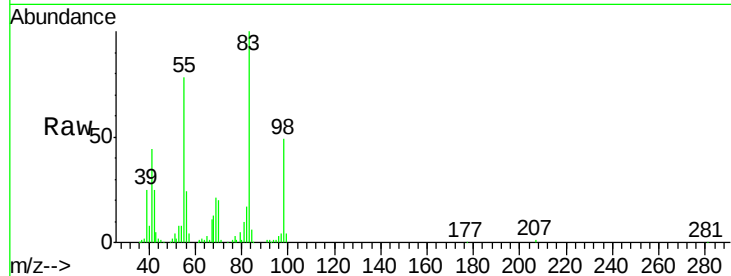
#39
Methvlcvclohexane
Concen: 20.793 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.4	58.7	88.1
98	49.4	40.2	60.4

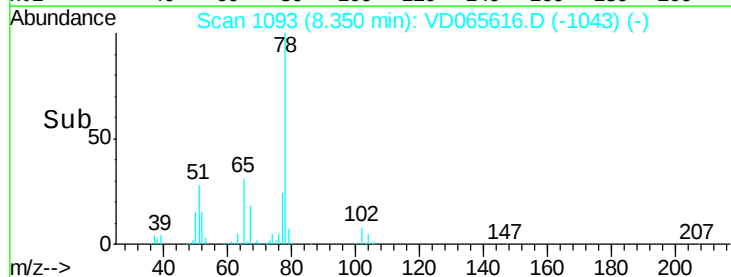
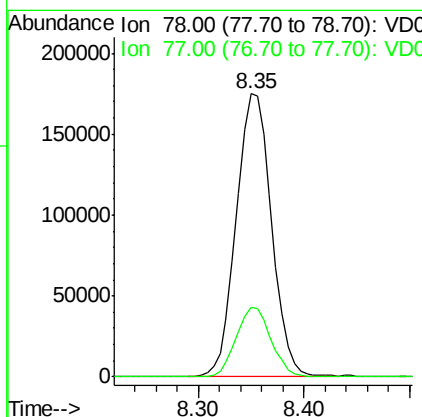
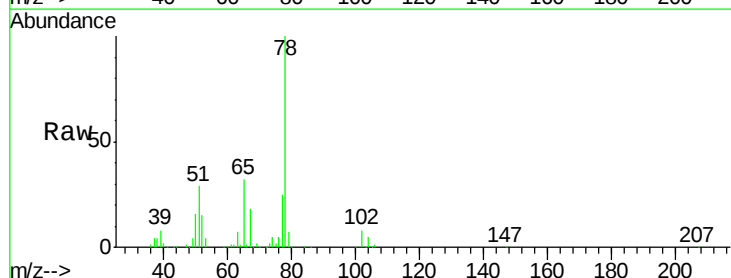
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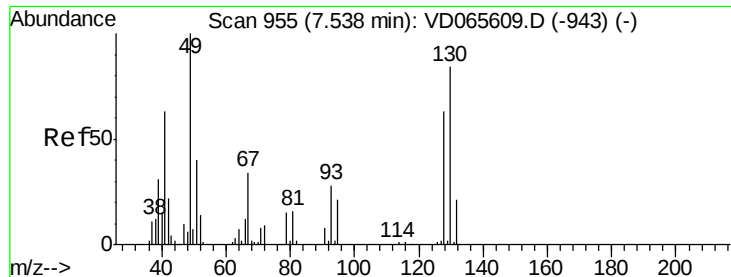
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#40
Benzene
Concen: 20.172 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.4	29.0





#41

Methacrylonitrile

Concen: 19.539 ug/l m

RT: 7.54 min Scan# 955

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

Tot Ion: 41 Resp: 28951

Ion Ratio Lower Upper

41 100

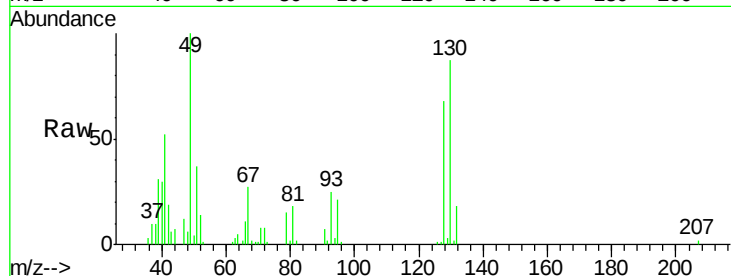
39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

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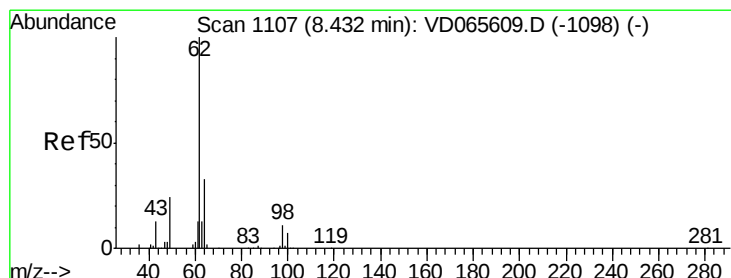
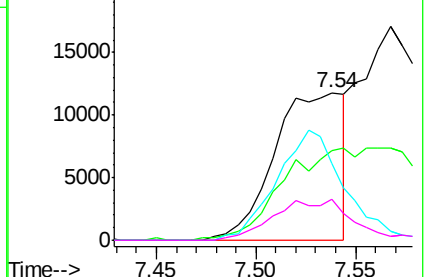
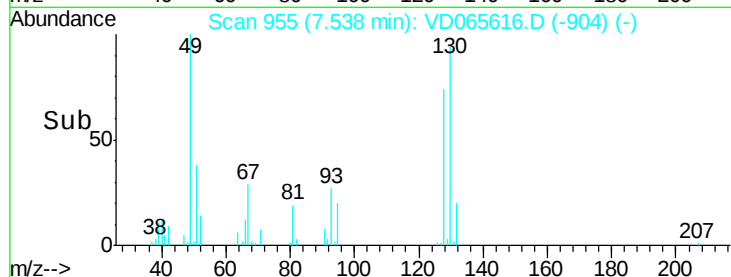


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.862 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065616.D

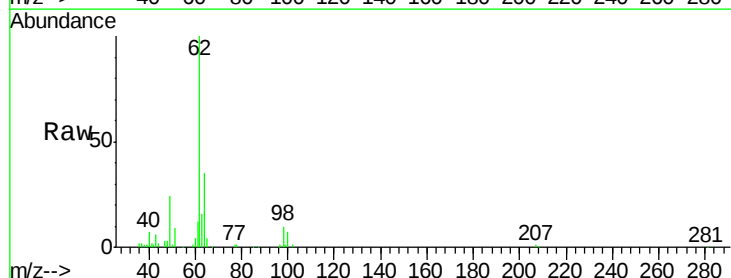
Acq: 13 Apr 2020 14:52

Tgt Ion: 62 Resp: 111798

Ion Ratio Lower Upper

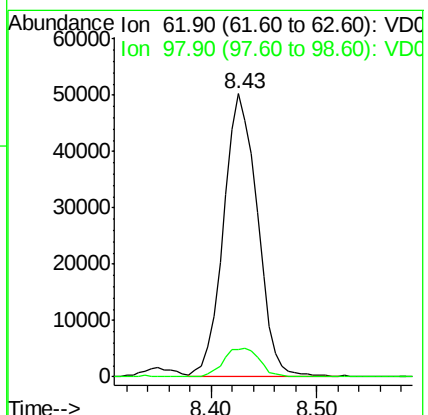
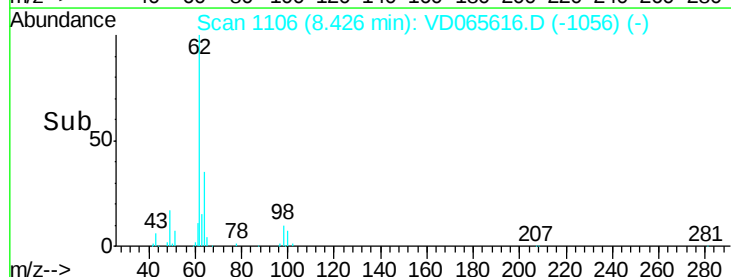
62 100

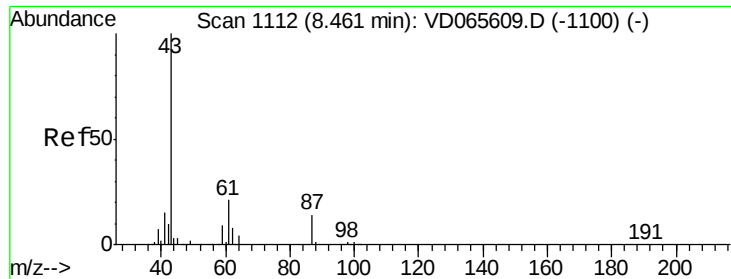
98 10.7 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.444 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

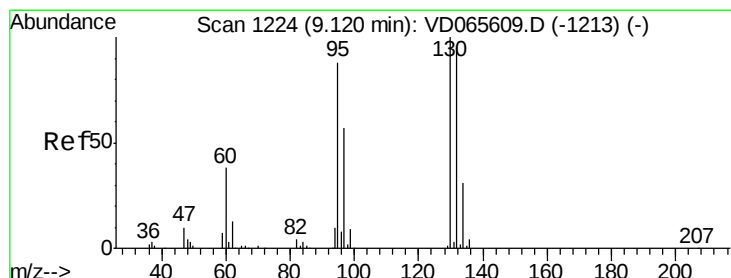
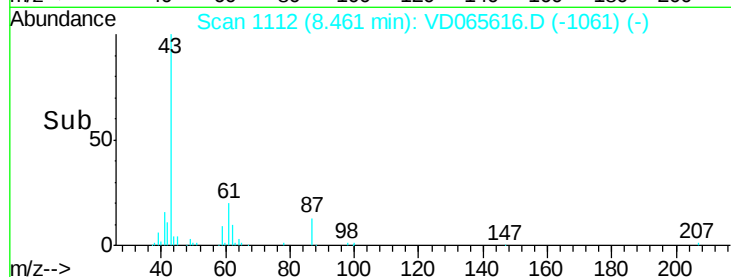
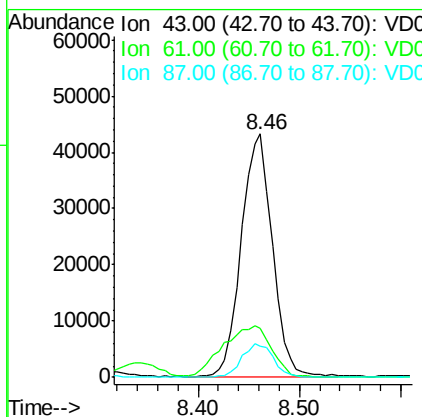
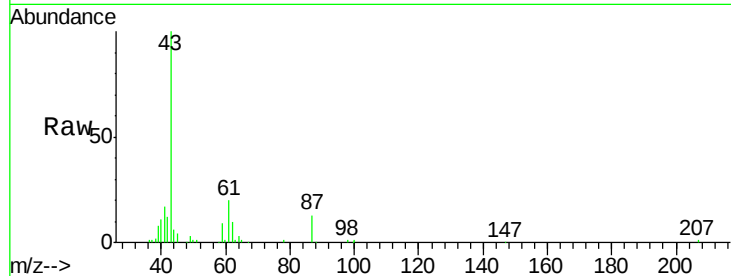
ClientSampleId :

VD0413SBS01

Tot Ion	43	Resp	92904
Ion	Ratio	Lower	Upper
43	100		
61	32.8	25.9	38.9
87	13.7	10.9	16.3

Manual Integrations
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#44

Trichloroethene

Concen: 20.697 ug/l

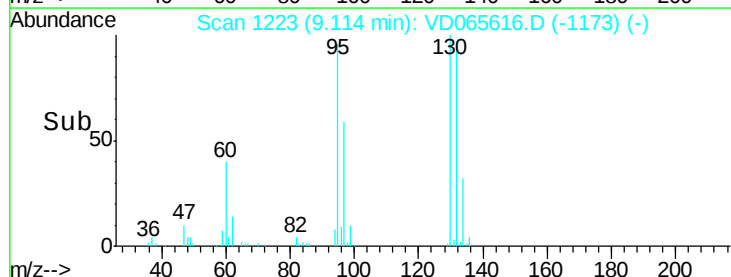
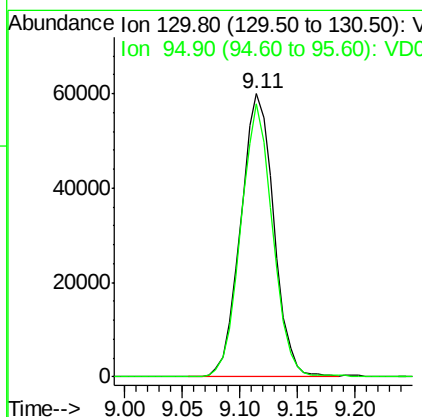
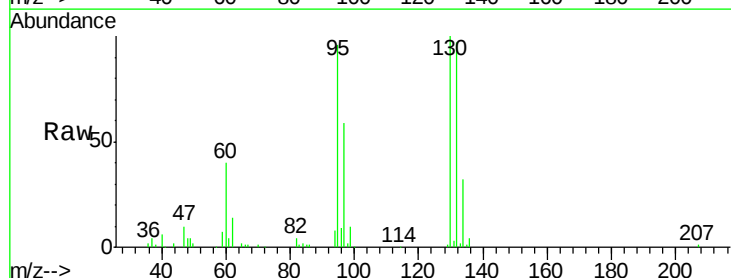
RT: 9.11 min Scan# 1223

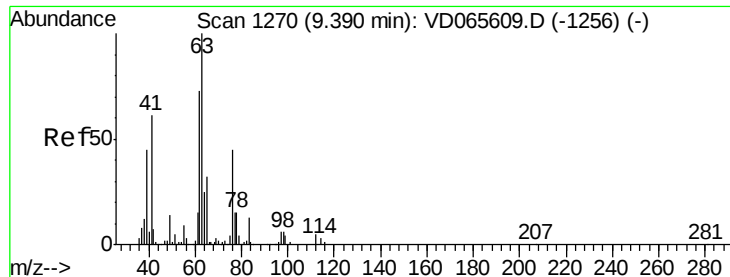
Delta R.T. -0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Tgt Ion	130	Resp	119870
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	176.8





#45

1,2-Dichloropropane

Concen: 19.970 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

Tot Ion: 63 Resp: 97993

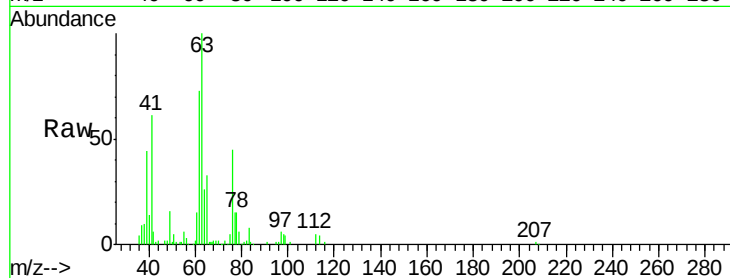
Ion Ratio Lower Upper

63 100

65 32.7 25.3 37.9

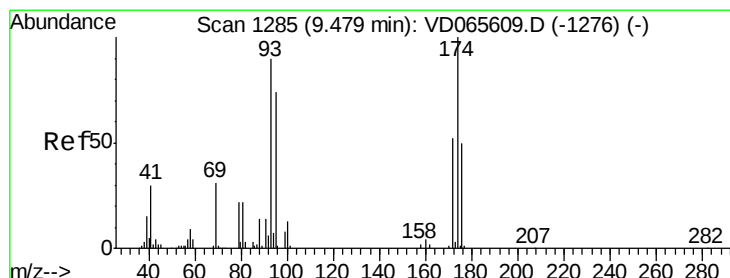
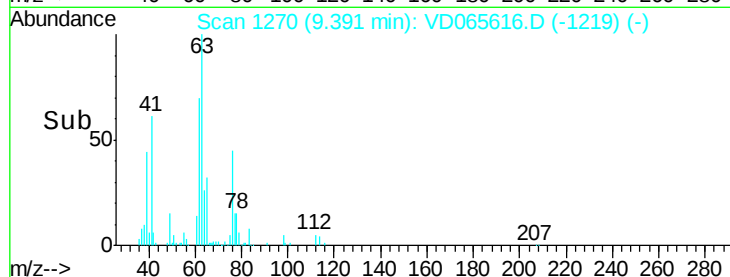
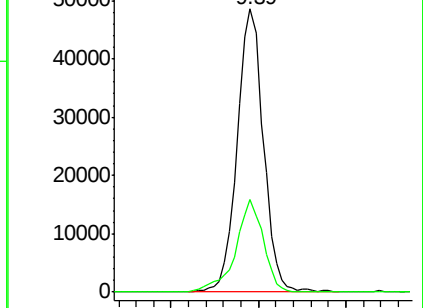
Manual Integrations
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 19.497 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

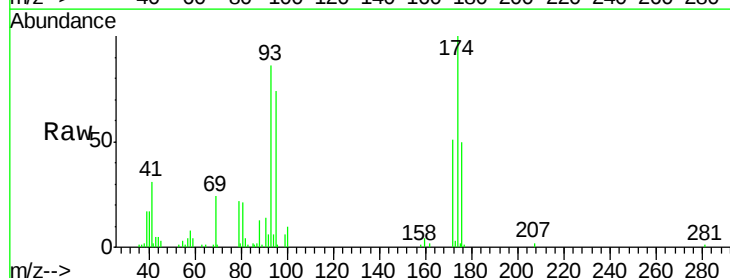
Tgt Ion: 93 Resp: 51423

Ion Ratio Lower Upper

93 100

95 86.4 66.5 99.7

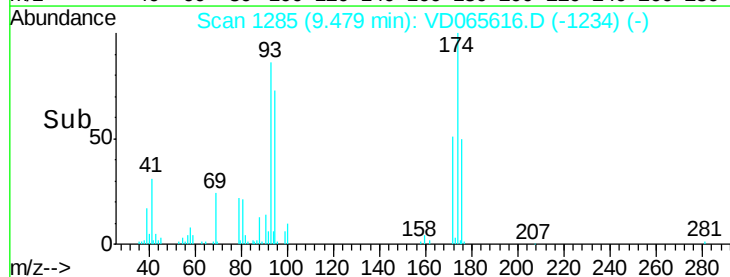
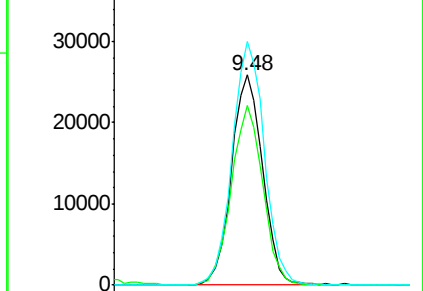
174 118.7 91.5 137.3

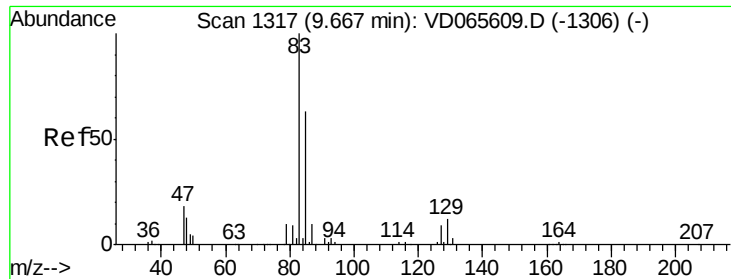


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.211 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

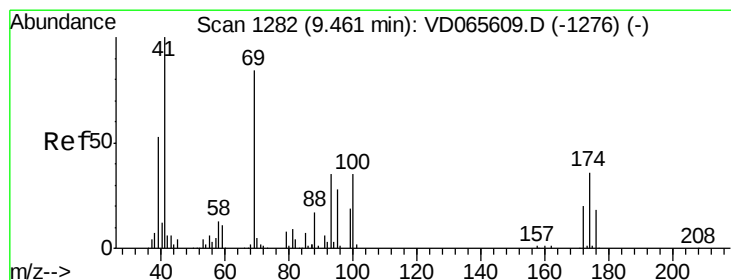
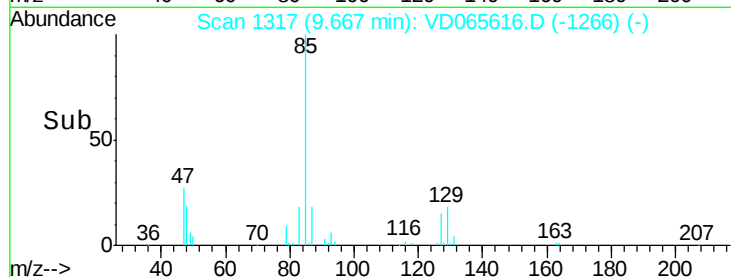
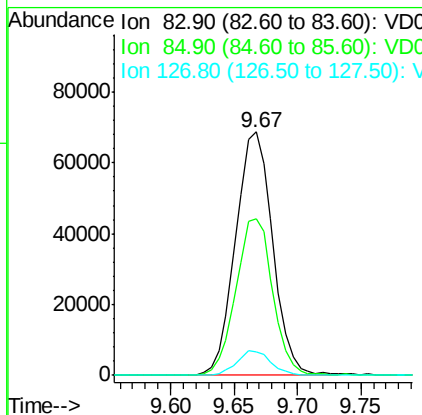
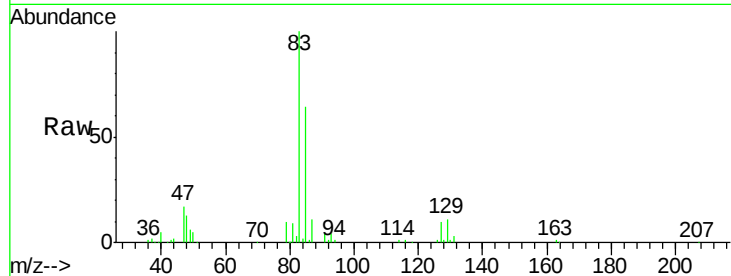
ClientSampleId :

VD0413SBS01

Tot Ion:	83	Resp:	139792
Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.7	76.1
127	9.7	7.6	11.4

Manual Integrations
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MMDadoda
4/14/2020 10:02:30 AM



#48

Methyl methacrylate

Concen: 19.967 ug/l

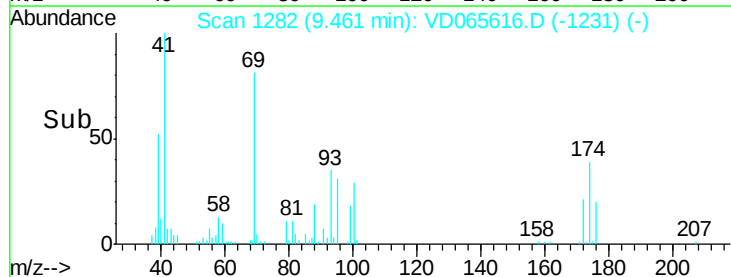
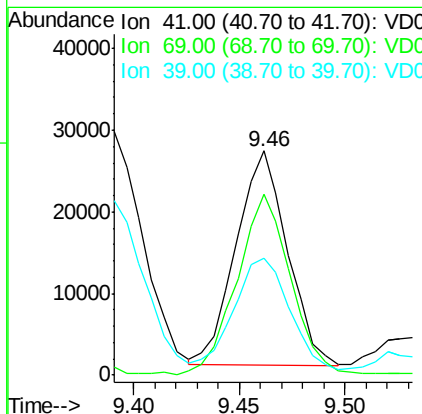
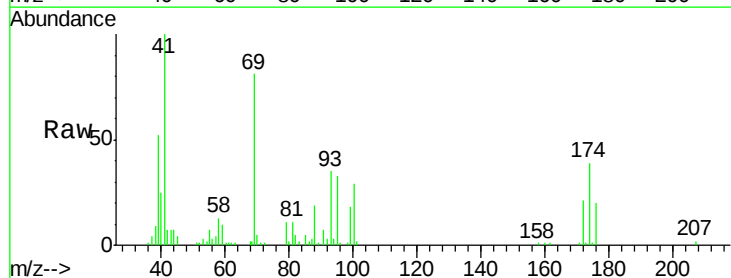
RT: 9.46 min Scan# 1282

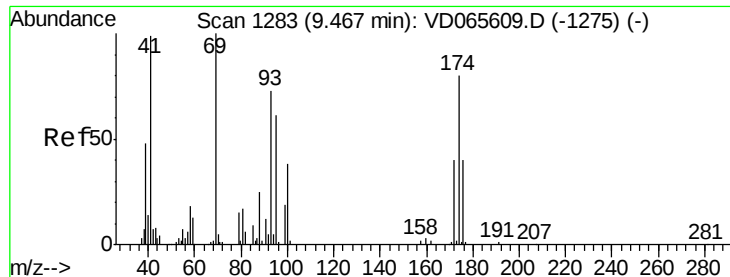
Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Tgt Ion:	41	Resp:	44246
Ion	Ratio	Lower	Upper
41	100		
69	88.7	72.4	108.6
39	55.9	43.5	65.3





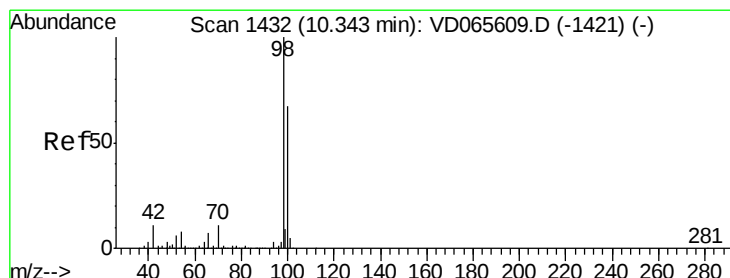
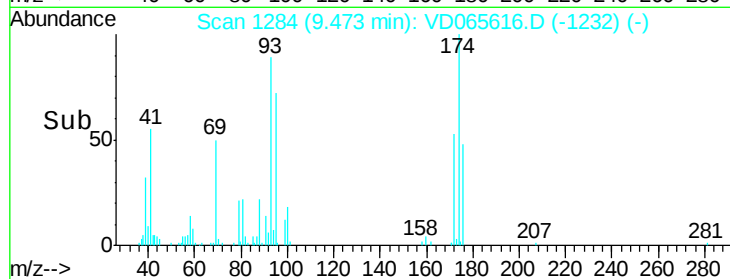
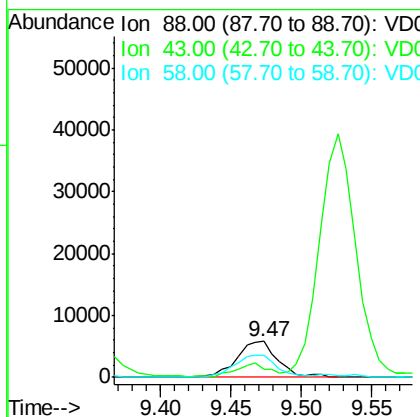
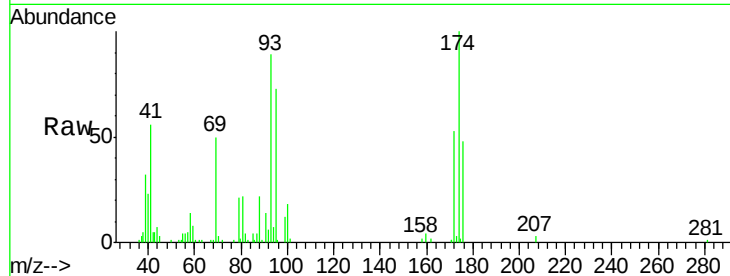
#49
1,4-Dioxane
Concen: 422.325 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

Tot Ion	88	Resp	11797
Ion	Ratio	Lower	Upper
88	100		
43	33.1	29.8	44.8
58	64.2	57.7	86.5

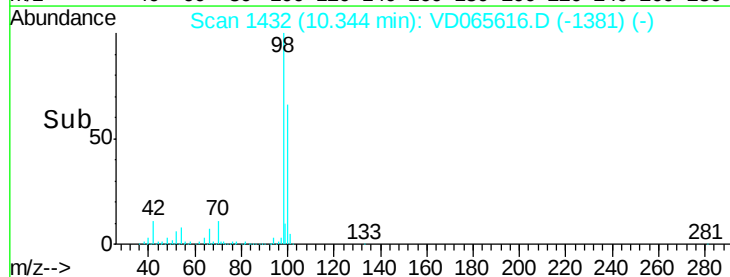
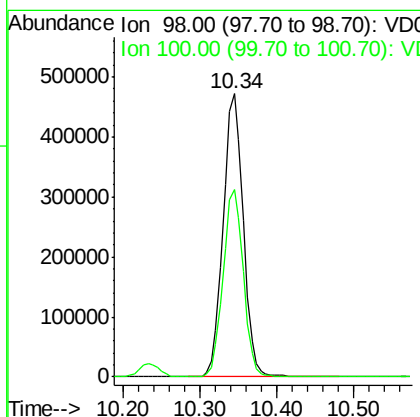
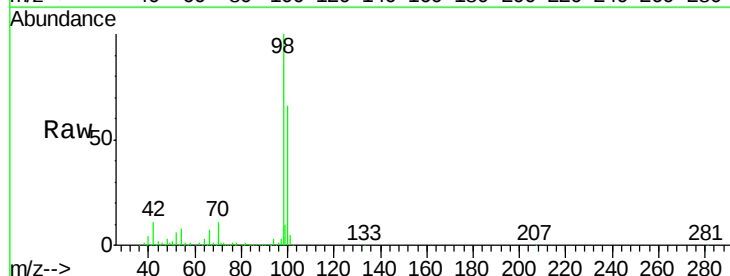
Manual Integrations
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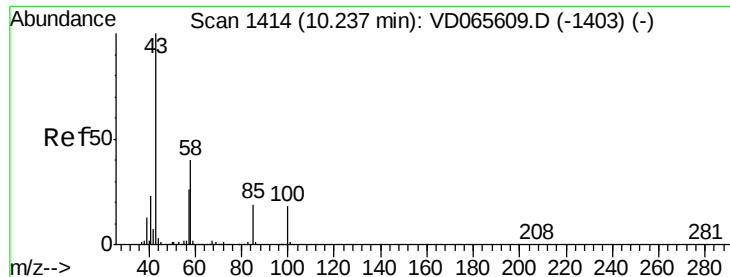
MMDadoda
4/14/2020 10:02:30 AM



#50
Toluene-d8
Concen: 49.137 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion	98	Resp	858796
Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 98.908 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

Tot Ion: 43 Resp: 243536

Ion Ratio Lower Upper

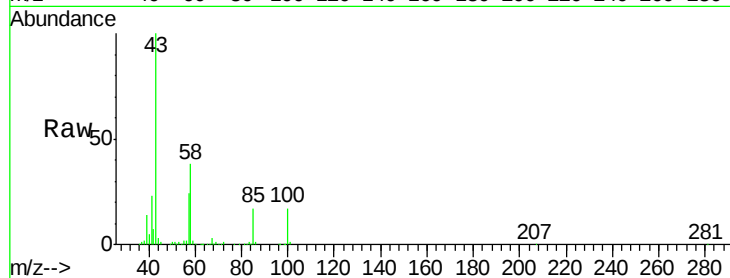
43 100

58 38.9 31.4 47.2

Manual Integrations
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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

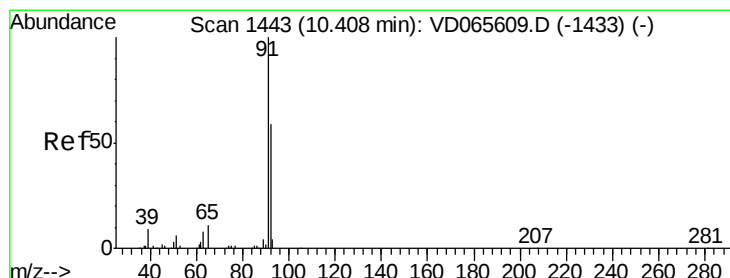
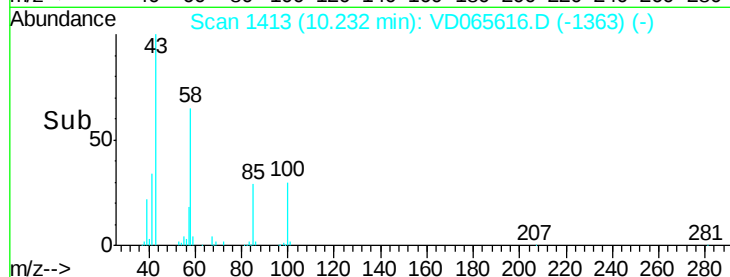
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.835 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065616.D

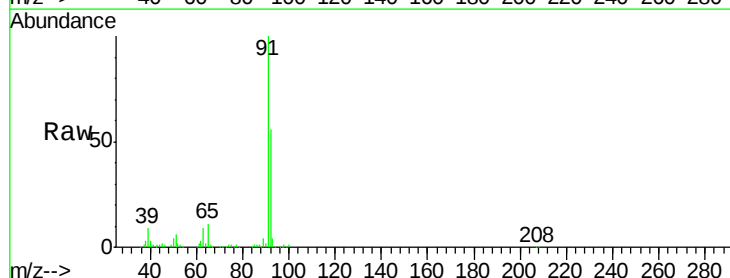
Acq: 13 Apr 2020 14:52

Tgt Ion: 92 Resp: 265467

Ion Ratio Lower Upper

92 100

91 171.7 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

300000

250000

200000

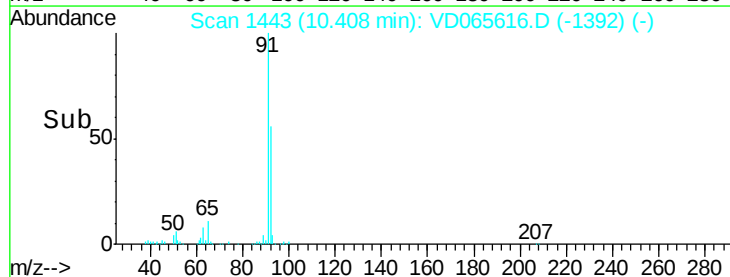
150000

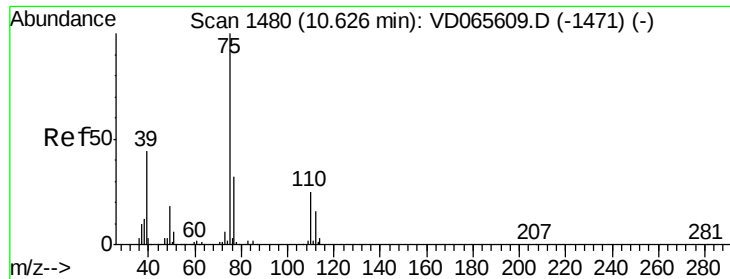
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.038 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

Tot Ion: 75 Resp: 123015

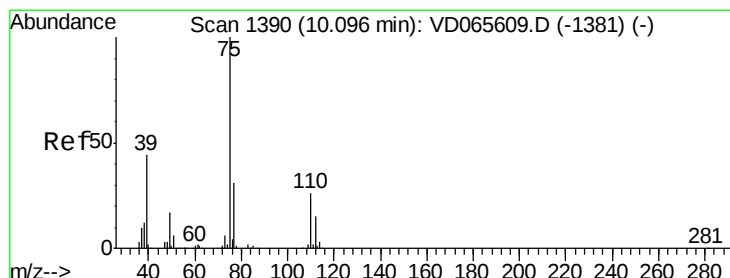
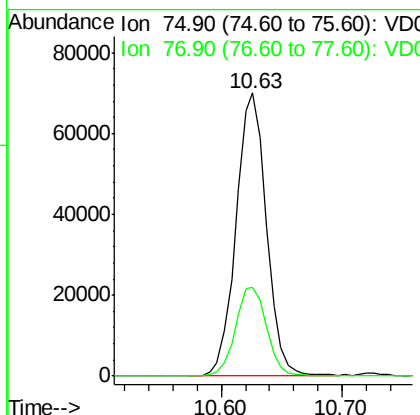
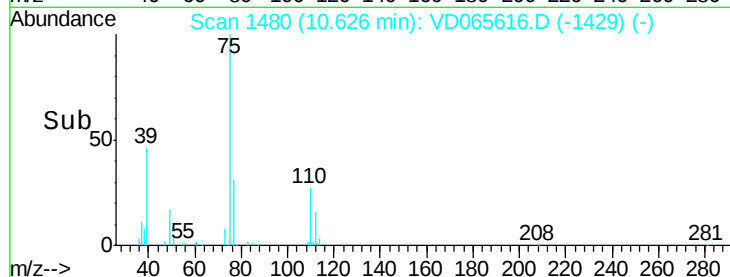
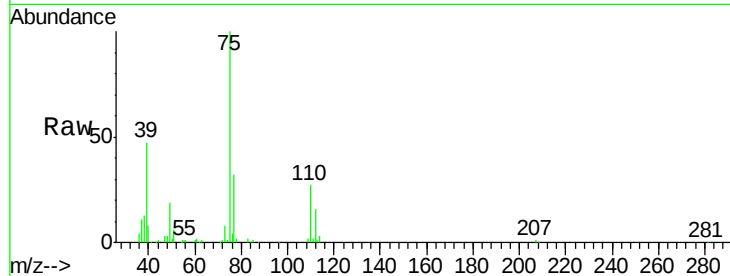
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 20.098 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

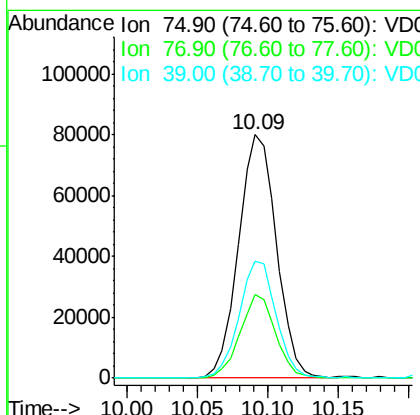
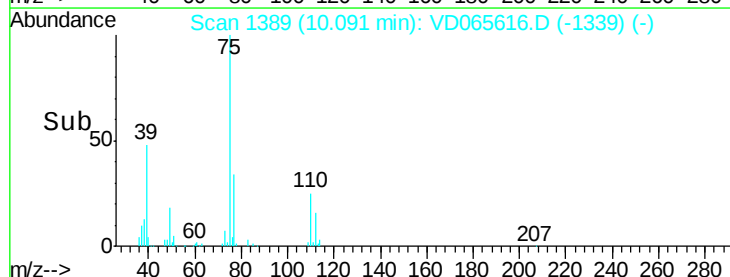
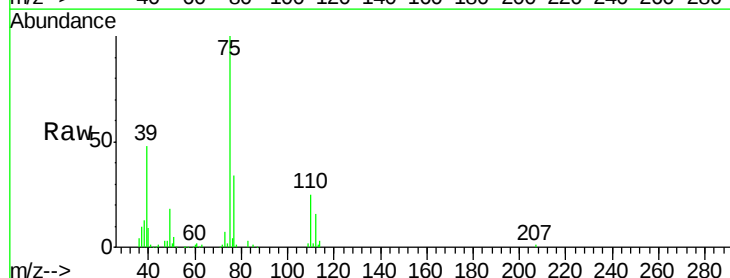
Tgt Ion: 75 Resp: 151069

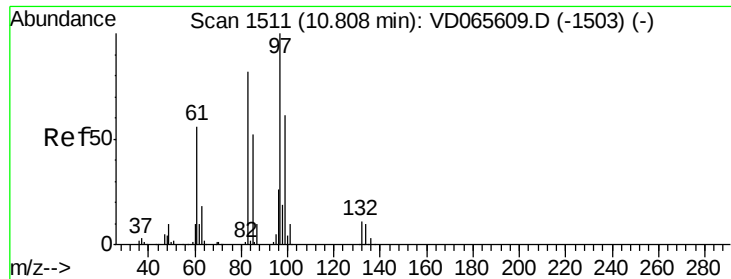
Ion Ratio Lower Upper

75 100

77 34.4 24.5 36.7

39 47.8 35.5 53.3





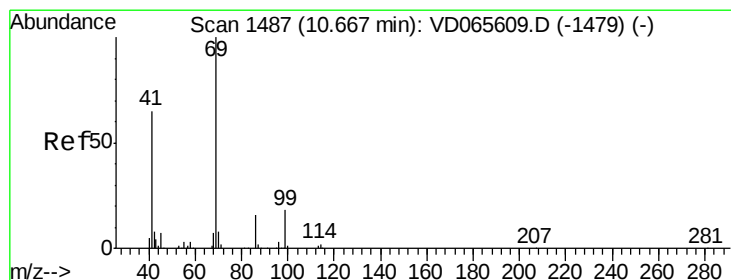
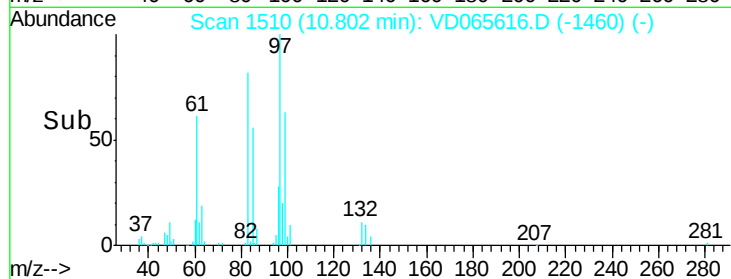
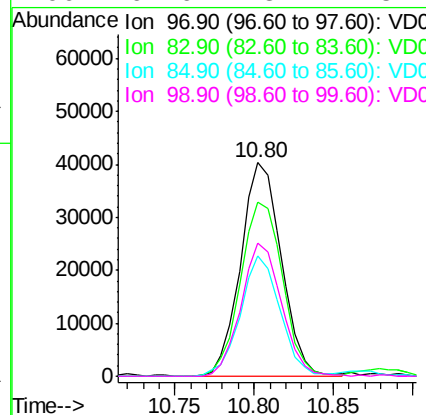
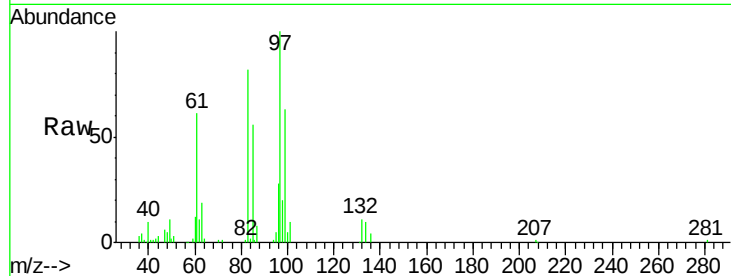
#55
 1,1,2-Trichloroethane
 Concen: 19.477 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

Tot Ion:	97	Resp:	72089
Ion	Ratio	Lower	Upper
97	100		
83	81.6	65.7	98.5
85	56.4	41.6	62.4
99	62.6	48.7	73.1

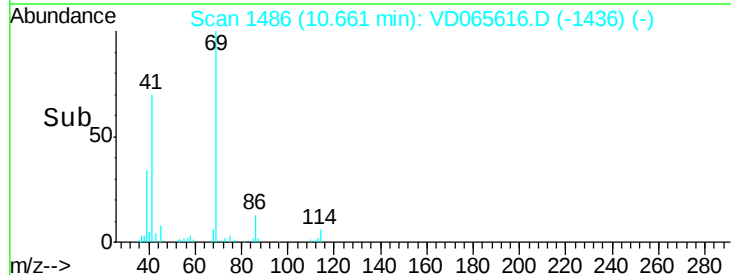
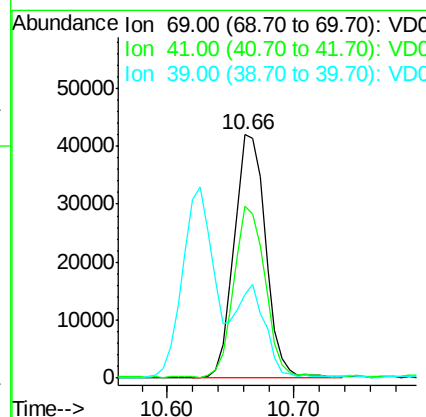
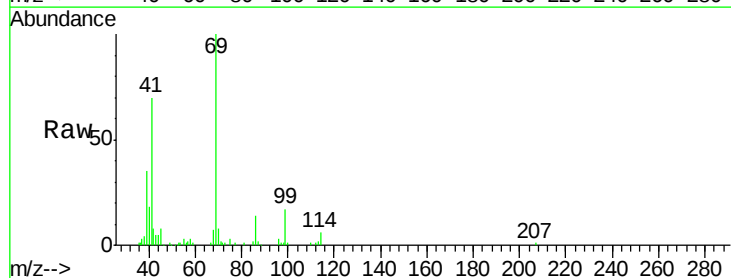
Manual Integrations
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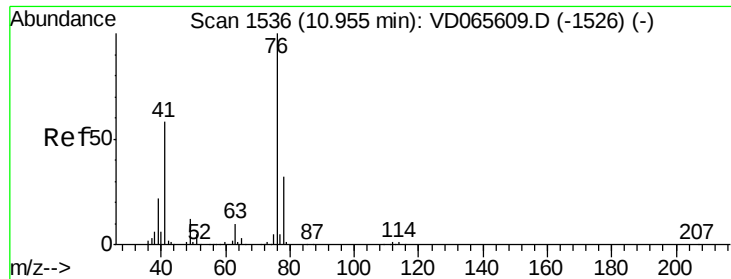
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 18.652 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Tgt Ion:	69	Resp:	72507
Ion	Ratio	Lower	Upper
69	100		
41	71.3	54.4	81.6
39	32.6	26.5	39.7





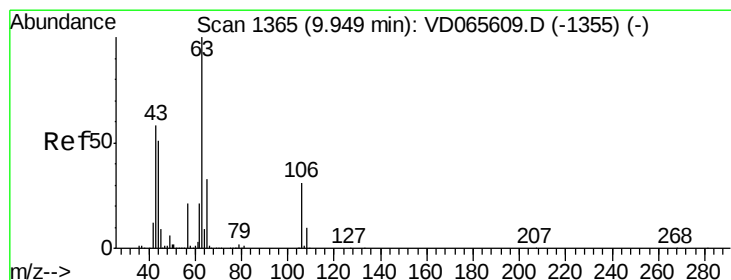
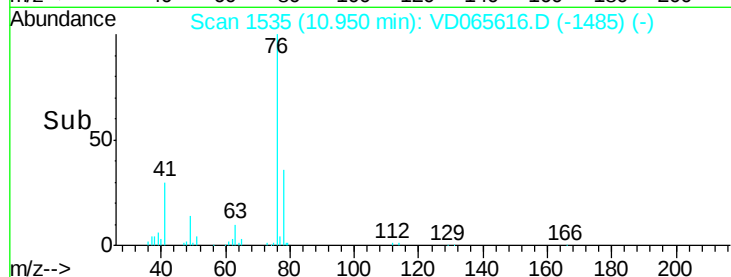
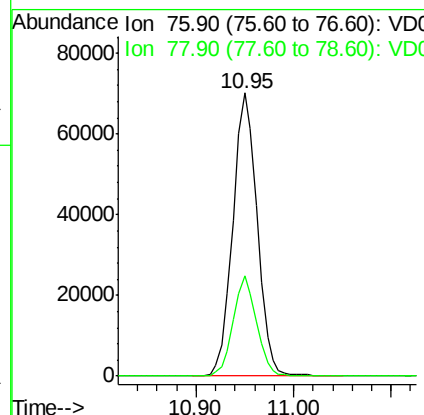
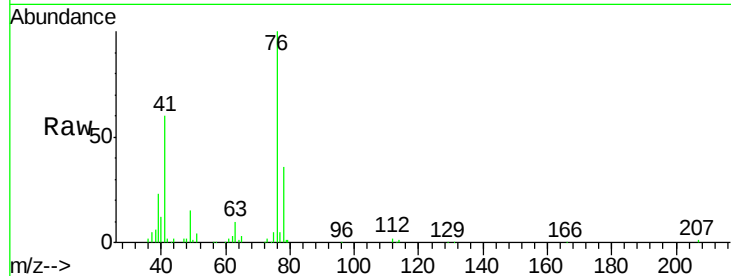
#57
 1,3-Dichloropropane
 Concen: 19.892 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.9	26.0	39.0

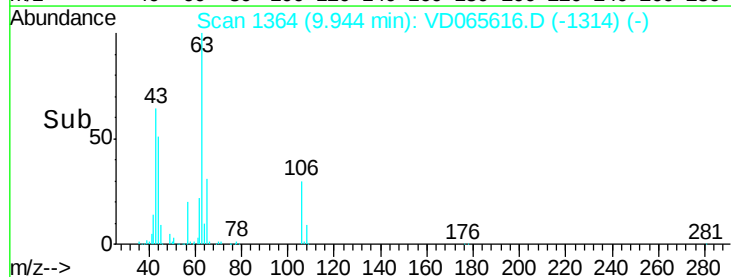
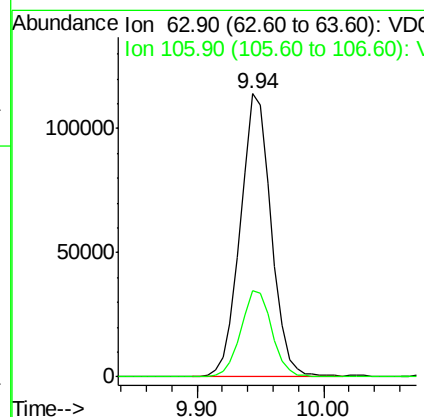
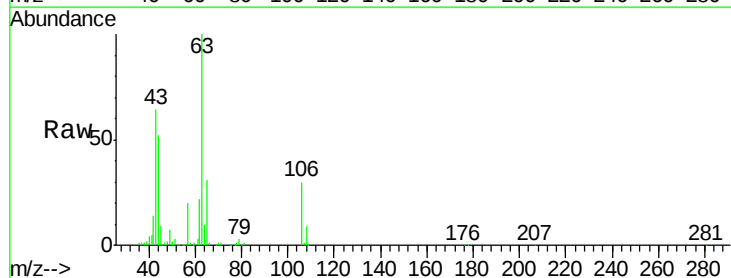
Manual Integrations
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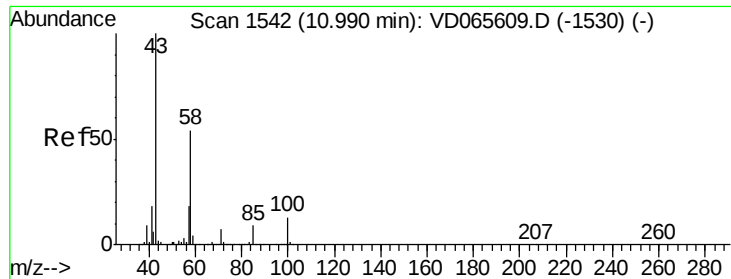
MMDadoda
 4/14/2020 10:02:30 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.225 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.7	24.2	36.2





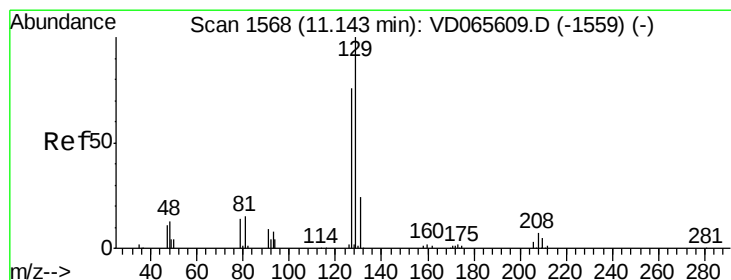
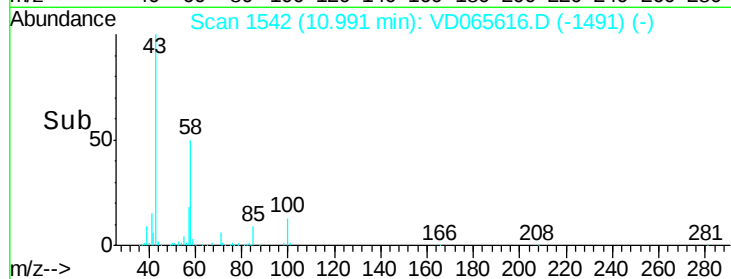
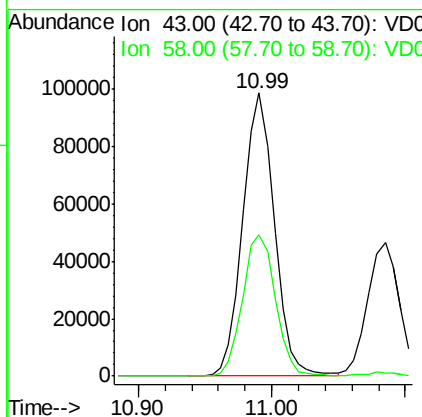
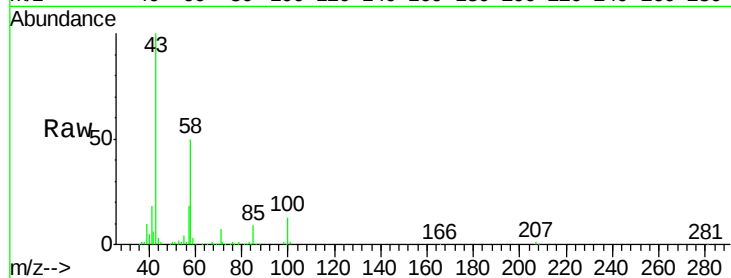
#59
2-Hexanone
Concen: 98.523 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

Tot Ion	43	Resp	161221
Ion Ratio	43	100	
Lower	58	52.1	27.1
Upper			81.3

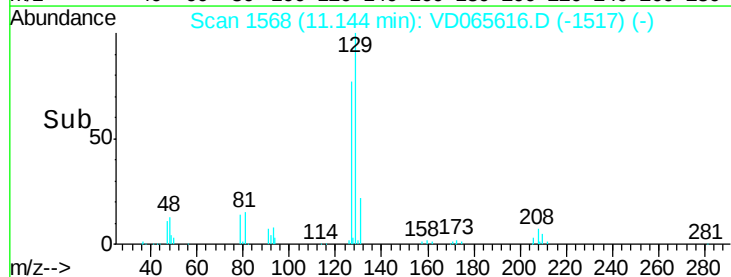
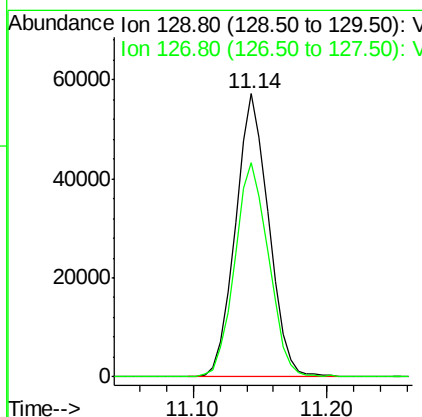
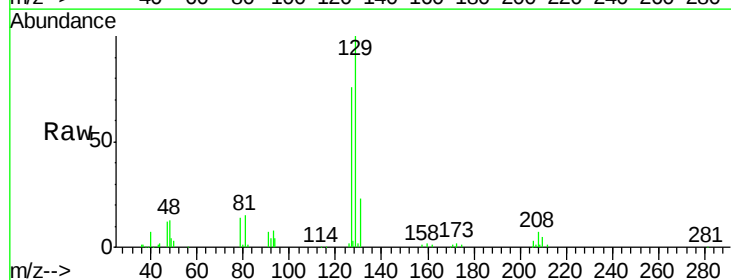
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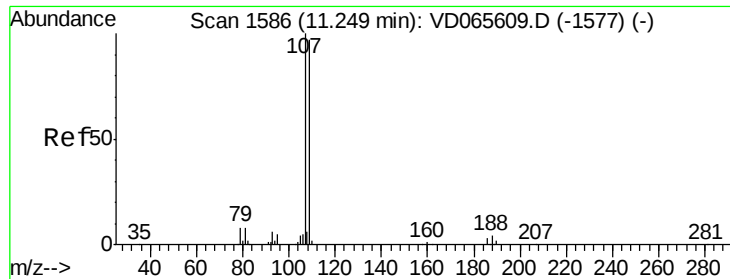
MMDadoda
4/14/2020 10:02:30 AM



#60
Dibromochloromethane
Concen: 19.932 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion	129	Resp	98253
Ion Ratio	129	100	
Lower	127	77.3	38.1
Upper			114.3





#61

1,2-Dibromoethane

Concen: 19.976 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

Tot Ion: 107 Resp: 70282

Ion Ratio Lower Upper

107 100

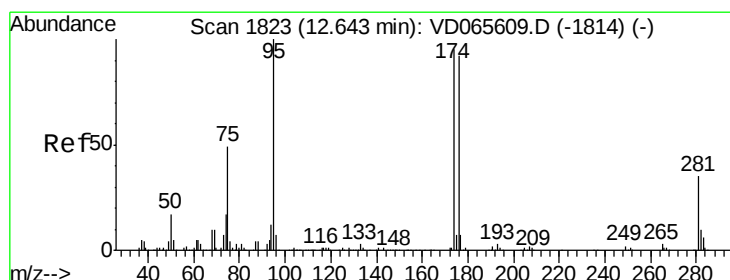
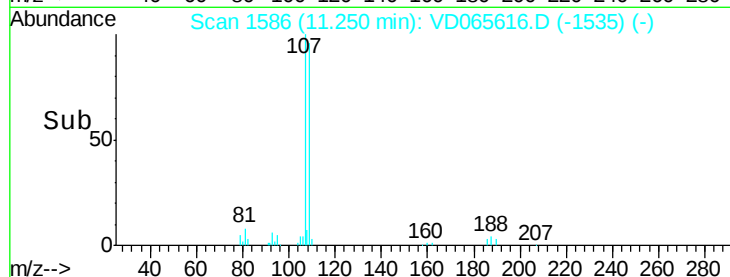
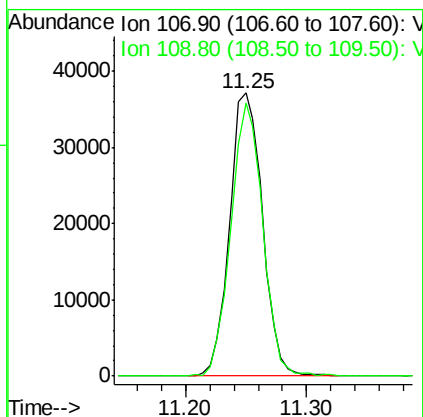
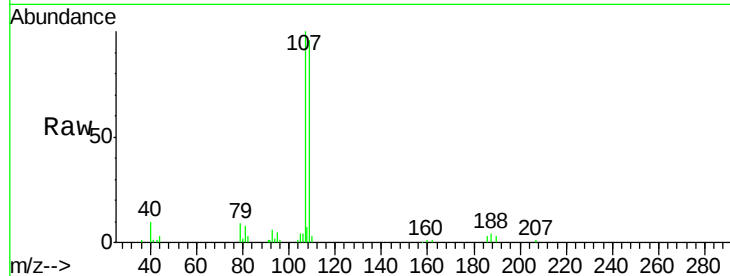
109 93.8 74.9 112.3

Manual Integrations

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MMDadoda

4/14/2020 10:02:30 AM



#62

4-Bromofluorobenzene

Concen: 47.567 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

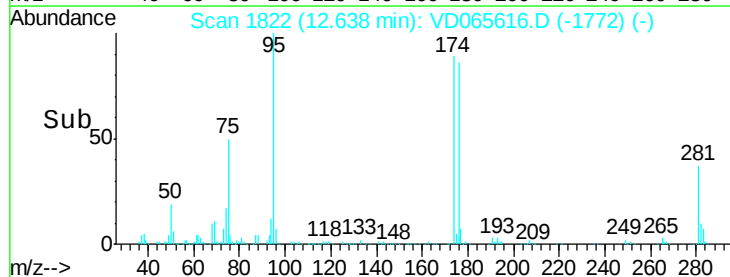
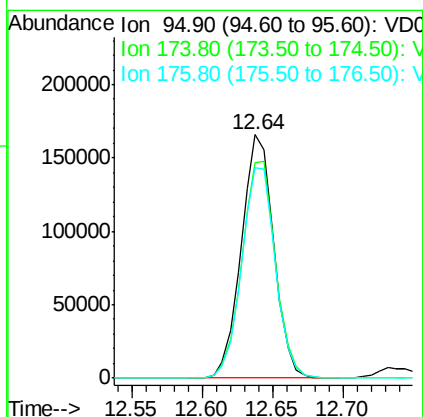
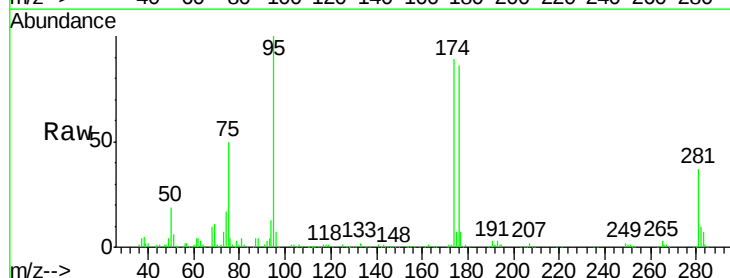
Tgt Ion: 95 Resp: 267154

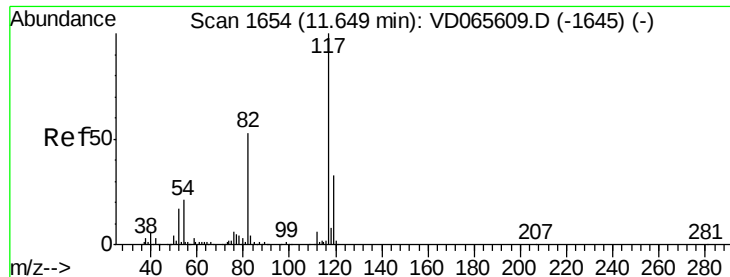
Ion Ratio Lower Upper

95 100

174 92.3 0.0 182.8

176 89.2 0.0 176.6





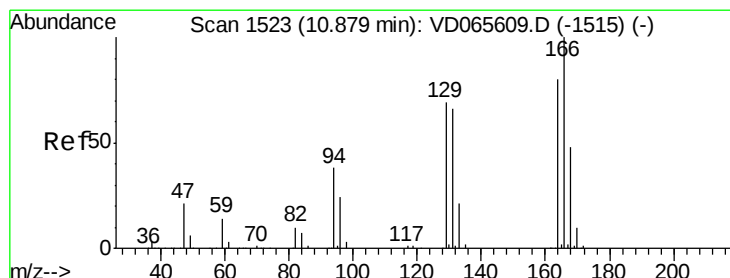
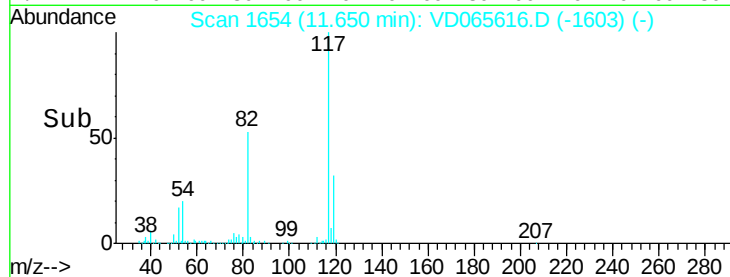
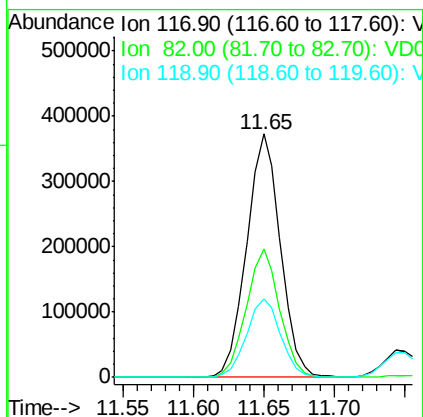
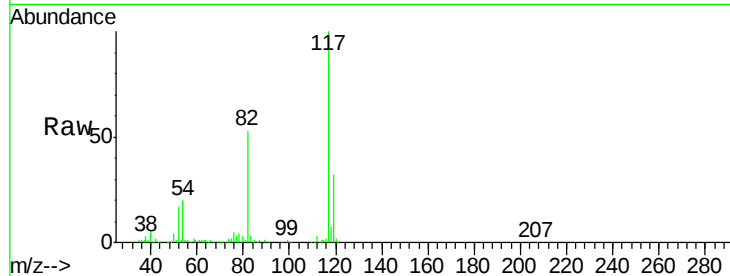
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.6	64.0
119	32.3	26.7	40.1

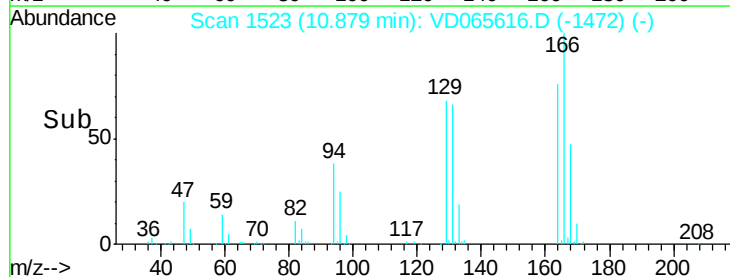
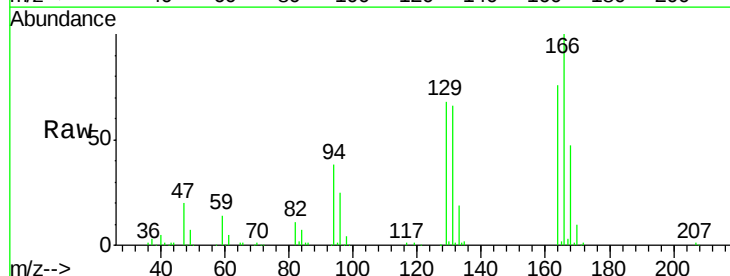
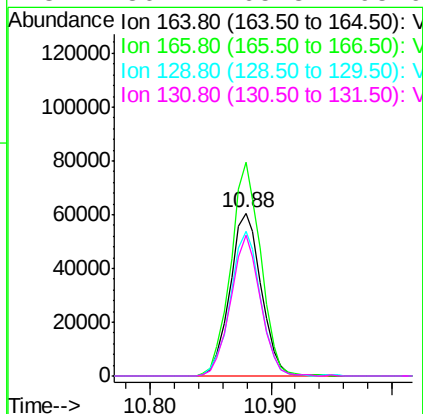
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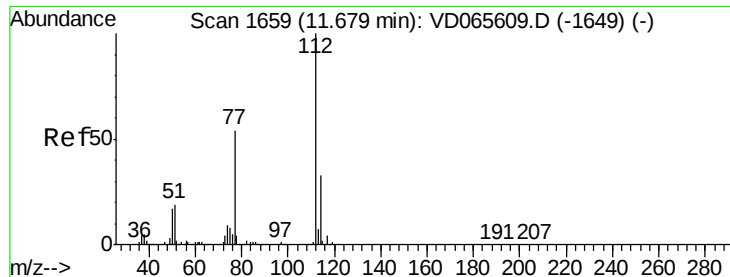
MMDadoda
4/14/2020 10:02:30 AM



#64
Tetrachloroethene
Concen: 21.894 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	100.2	150.2
129	88.6	69.5	104.3
131	86.2	65.8	98.6





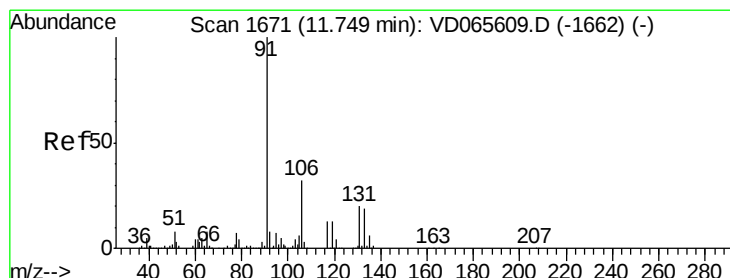
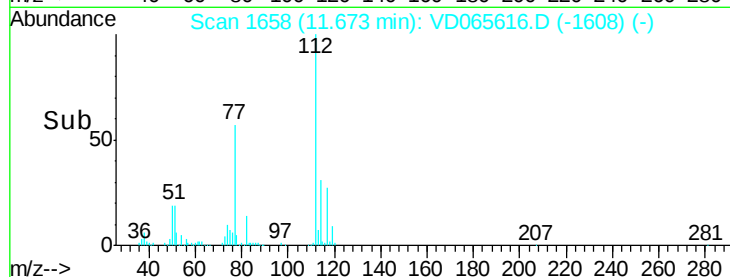
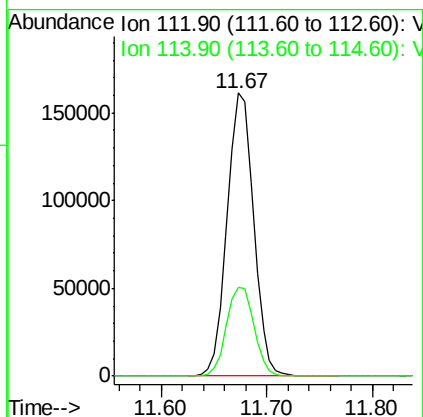
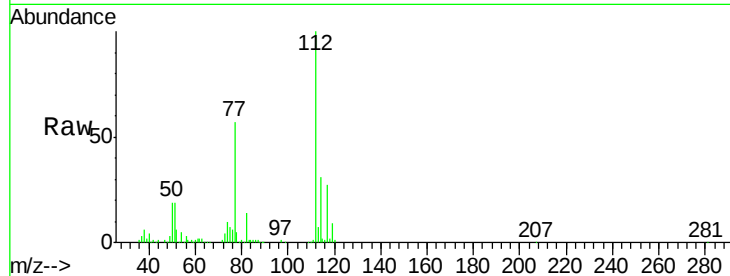
#65
Chlorobenzene
Concen: 20.689 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	26.2	39.2

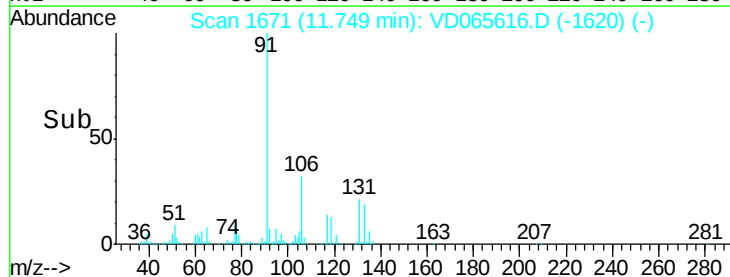
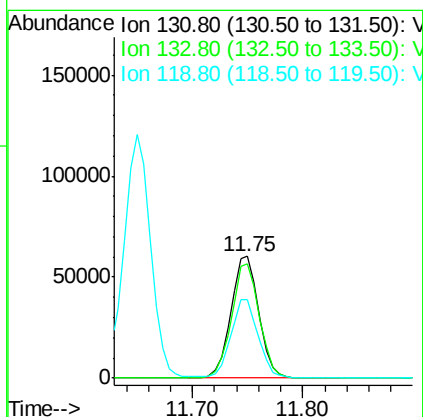
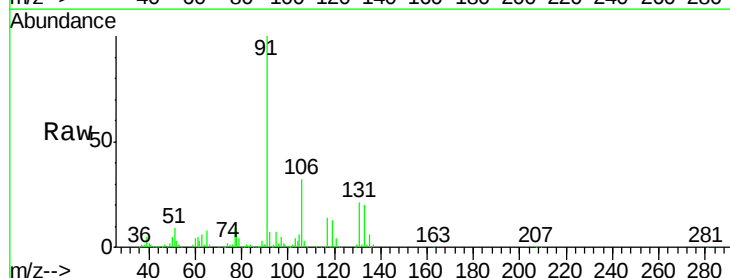
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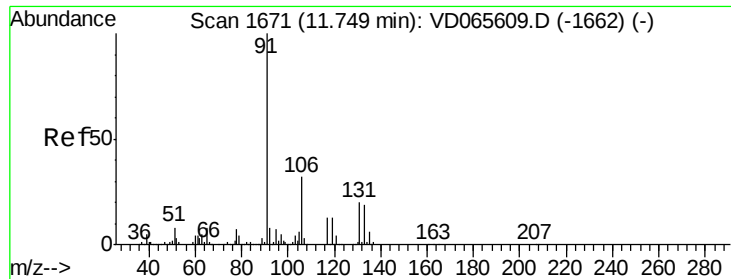
MMDadoda
4/14/2020 10:02:30 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.661 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.3	142.0
119	63.6	31.9	95.9





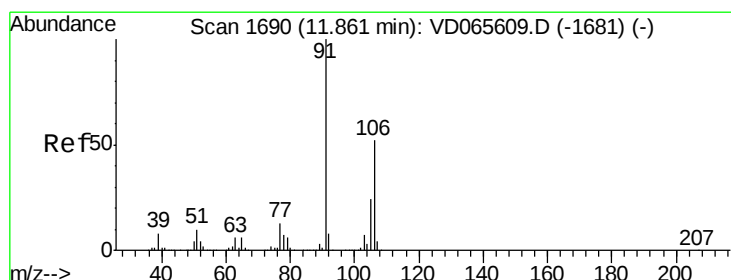
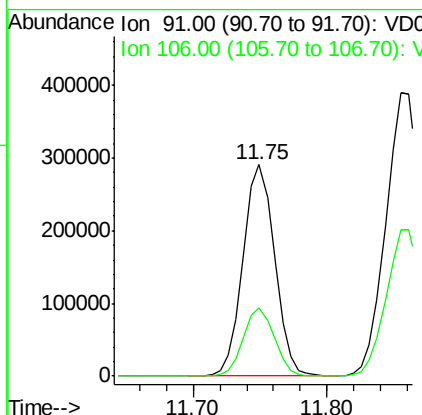
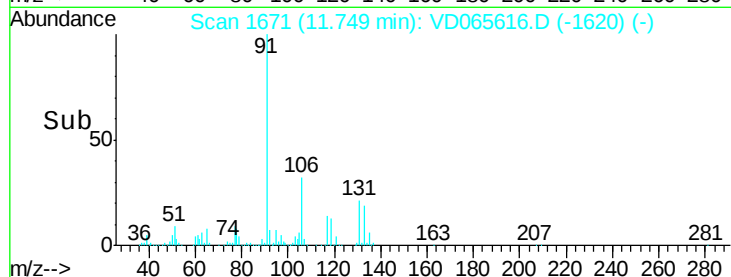
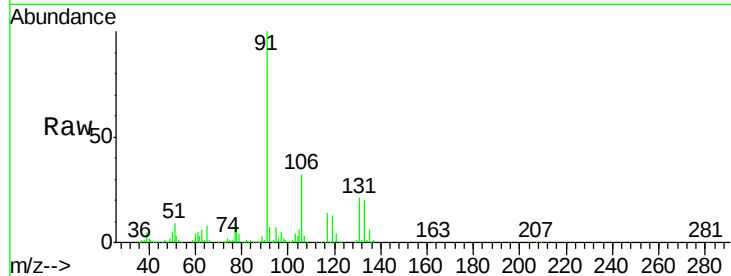
#67
Ethyl Benzene
Concen: 21.307 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

Tot Ion: 91 Resp: 477672
Ion Ratio Lower Upper
91 100
106 32.0 25.6 38.4

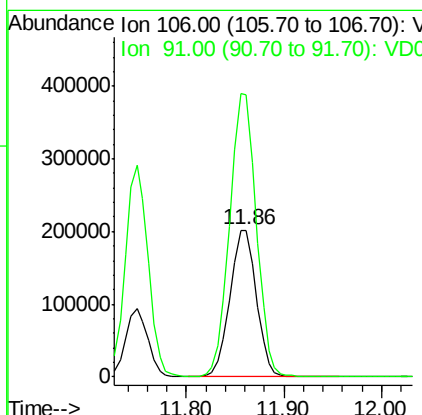
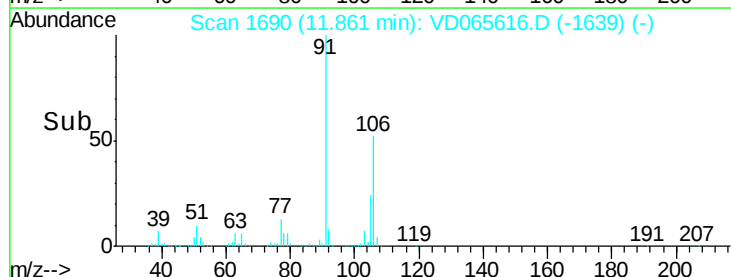
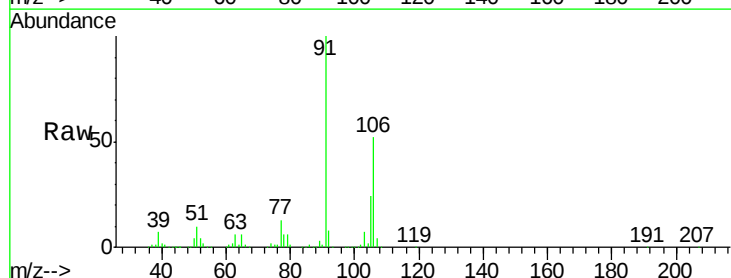
Manual Integrations
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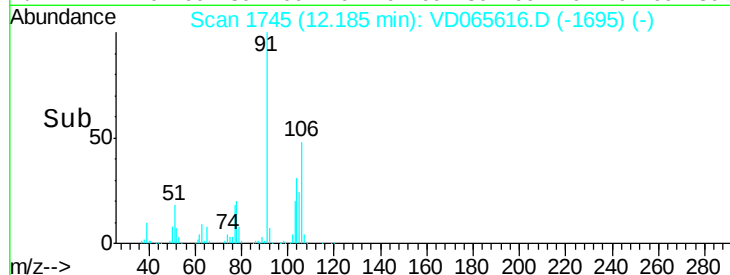
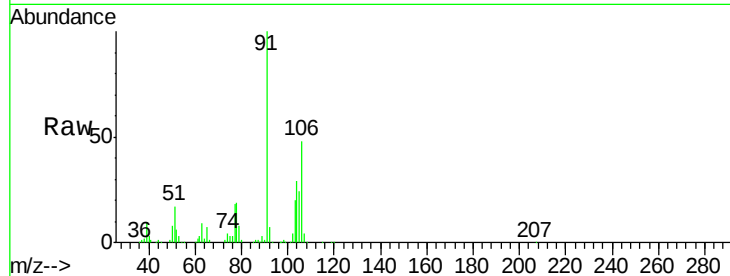
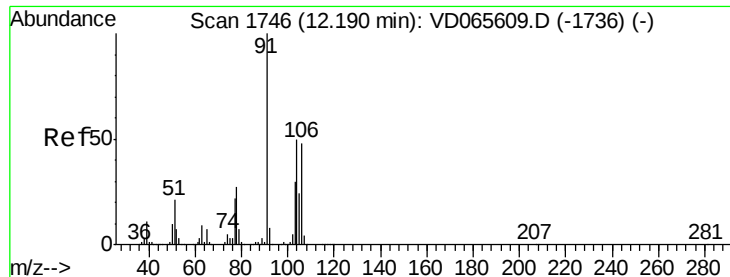
MMDadoda
4/14/2020 10:02:30 AM



#68
m/p-Xylenes
Concen: 43.090 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion: 106 Resp: 381111
Ion Ratio Lower Upper
106 100
91 194.1 155.0 232.4





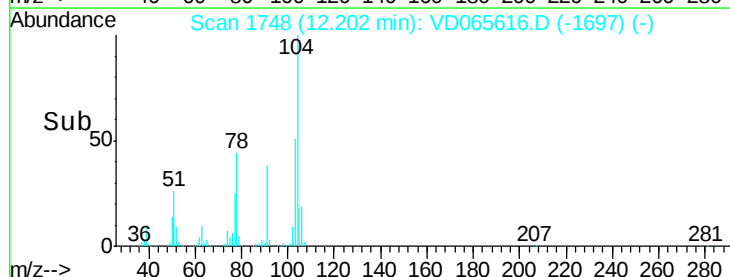
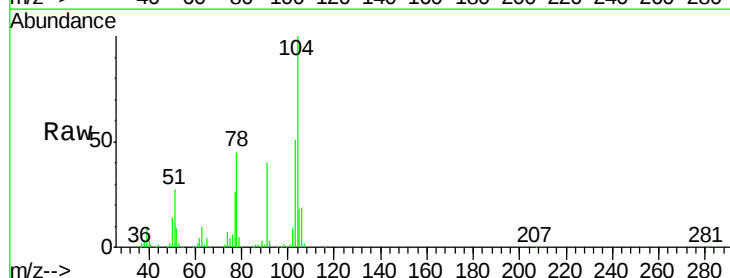
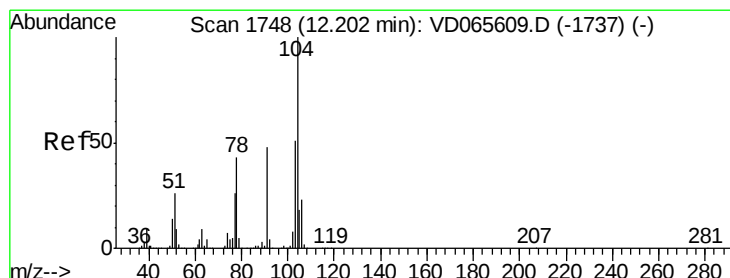
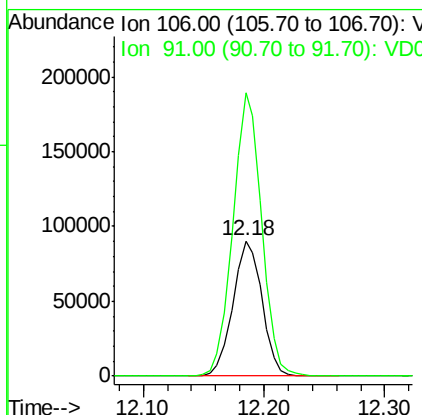
#69
o-Xylene
Concen: 19.890 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tot Ion	Ratio	Resp	Lower	Upper
106	100	151593		
91	206.8	103.8	311.3	

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

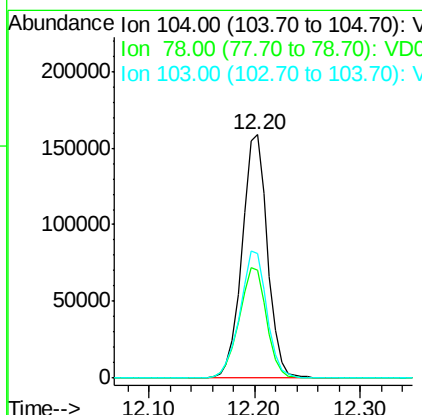
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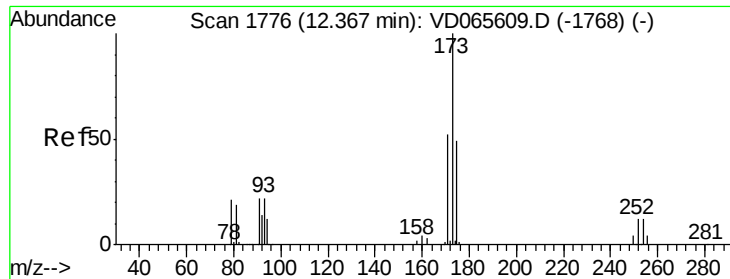
MMDadoda
4/14/2020 10:02:30 AM



#70
Styrene
Concen: 19.571 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	263709		
78	49.2	37.1	55.7	
103	55.3	43.2	64.8	





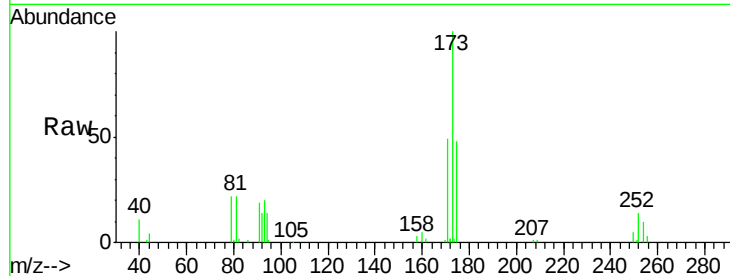
#71
Bromoform
Concen: 18.282 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

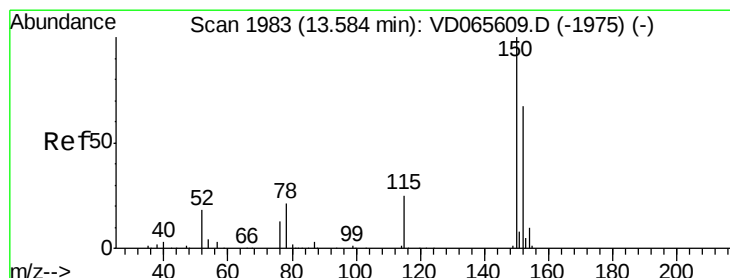
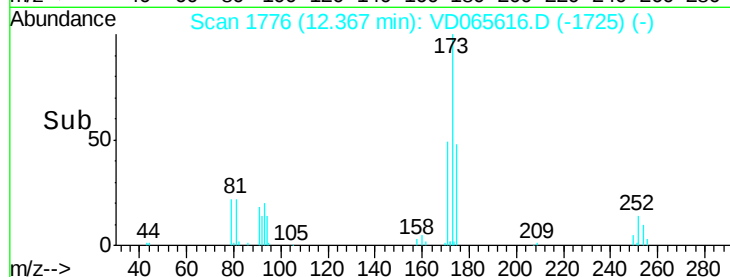
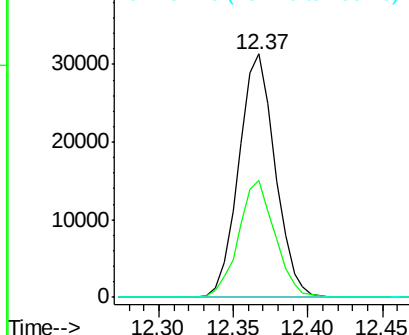
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.5	73.5
254	0.0	0.0	0.0

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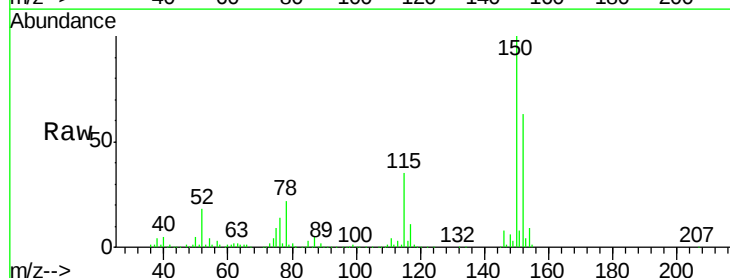


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

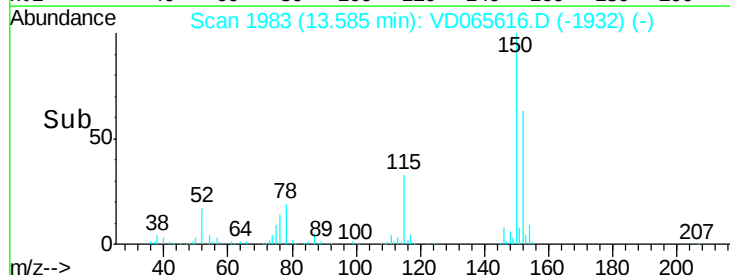
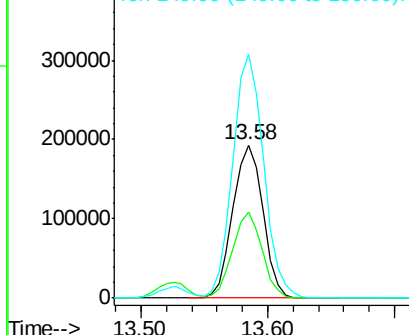


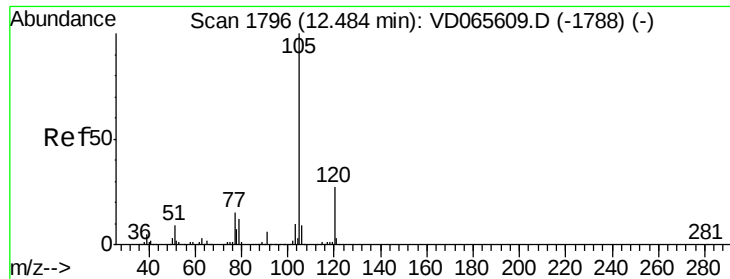
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.1	81.2
150	164.1	0.0	348.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.502 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

Tot Ion: 105 Resp: 413345

Ion Ratio Lower Upper

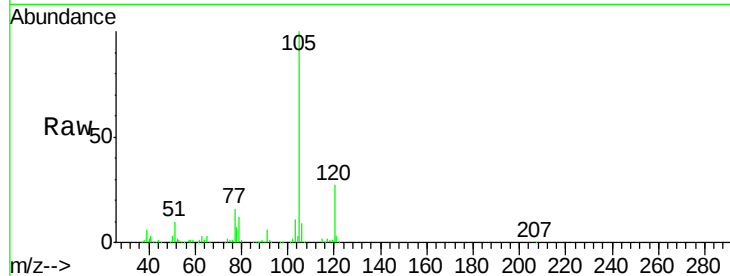
105 100

120 27.6 13.8 41.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

250000

200000

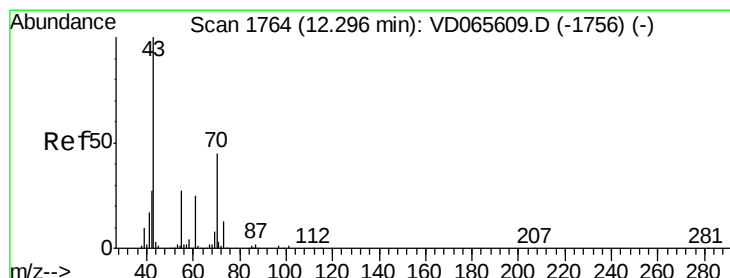
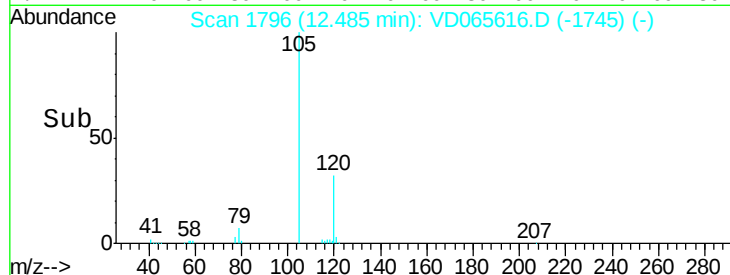
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.797 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Tgt Ion: 43 Resp: 77037

Ion Ratio Lower Upper

43 100

70 43.0 35.2 52.8

55 28.2 22.5 33.7

61 23.2 19.4 29.0

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.30

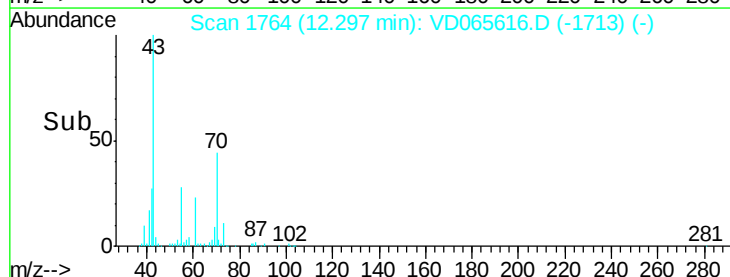
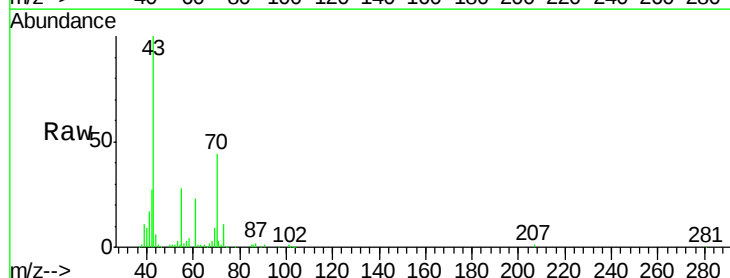
60000

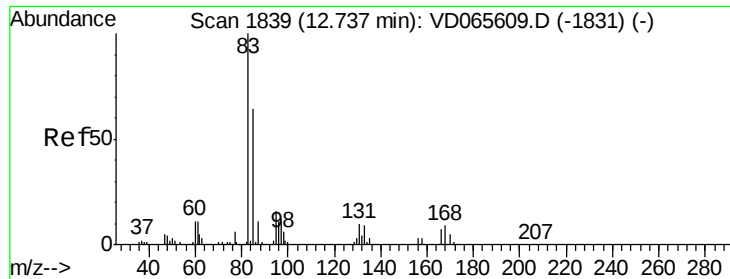
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.404 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

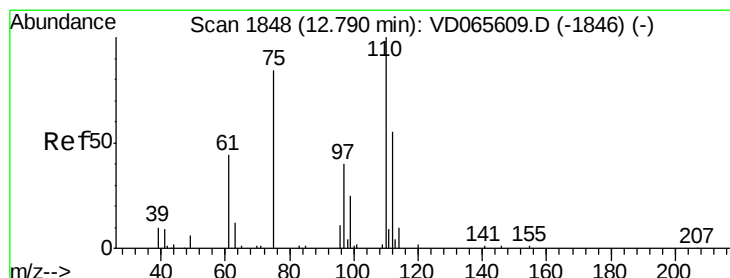
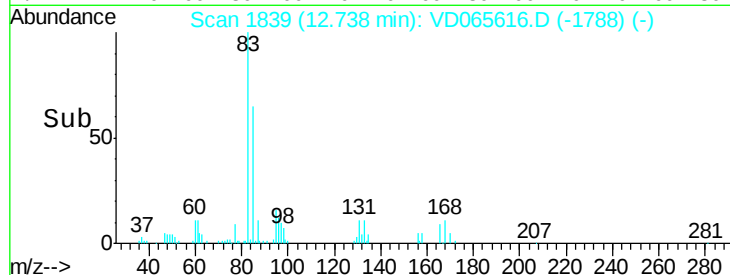
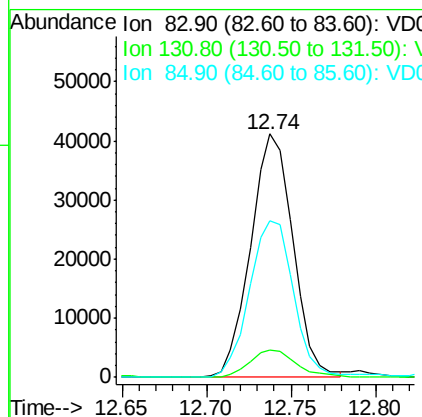
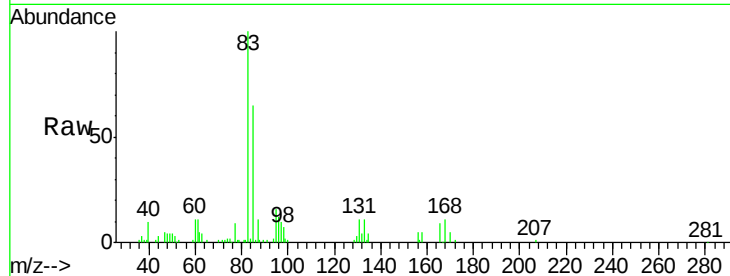
ClientSampleId :

VD0413SBS01

Tot Ion:	83	Resp:	71912
Ion	Ratio	Lower	Upper
83	100		
131	12.3	5.7	17.0
85	67.4	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 18.573 ug/l m

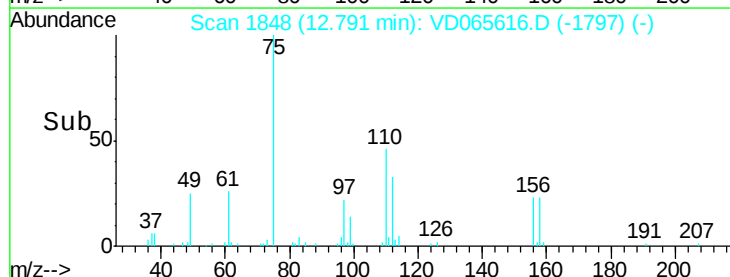
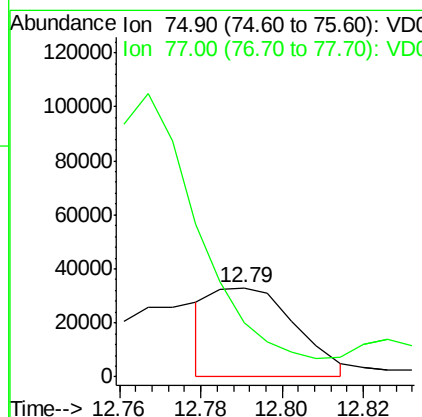
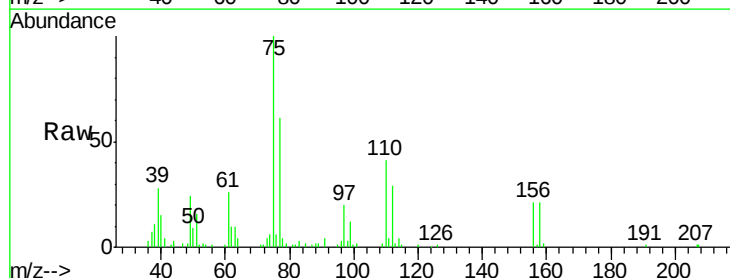
RT: 12.79 min Scan# 1848

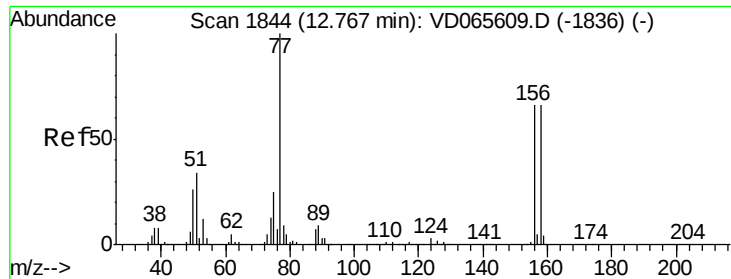
Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Tgt Ion:	75	Resp:	47134
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.738 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

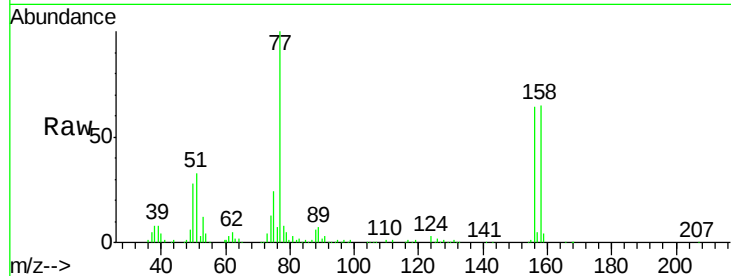
ClientSampleId :

VD0413SBS01

Tot Ion:	156	Resp:	114626
Ion Ratio	Lower	Upper	
156	100		
77	165.4	80.3	240.9
158	100.8	48.5	145.5

Manual Integrations
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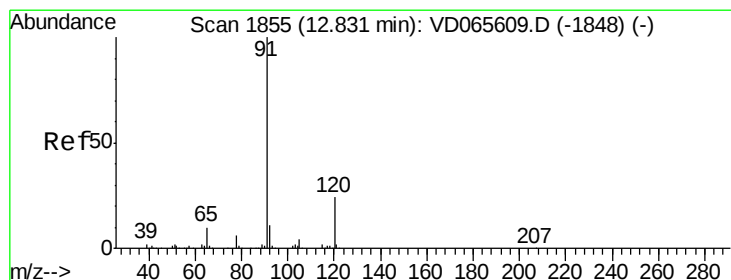
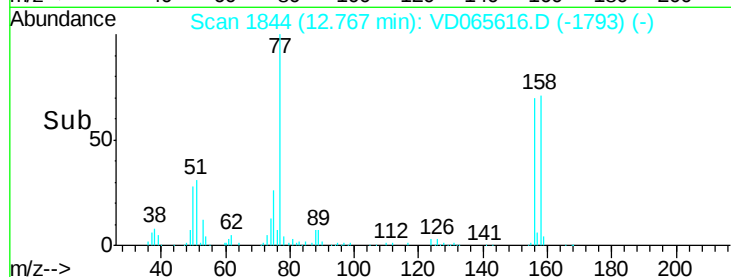
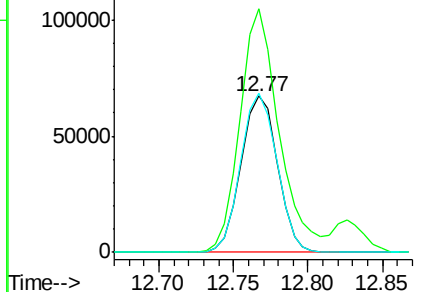
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.206 ug/l

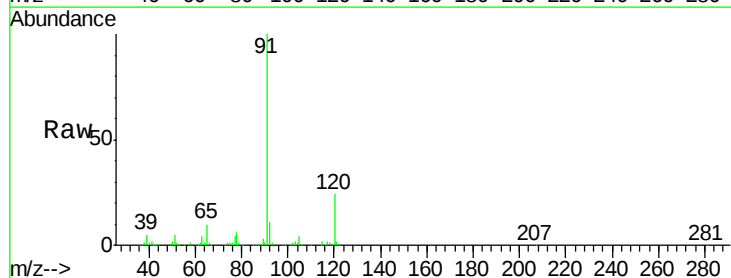
RT: 12.83 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VD065616.D

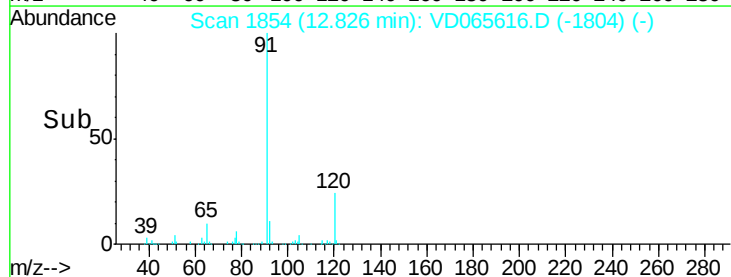
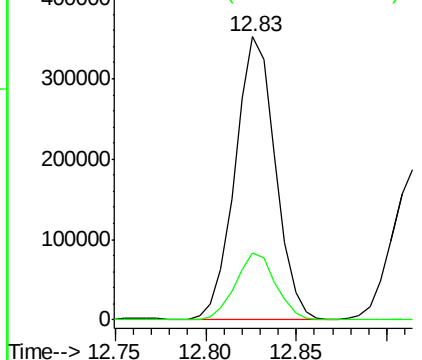
Acq: 13 Apr 2020 14:52

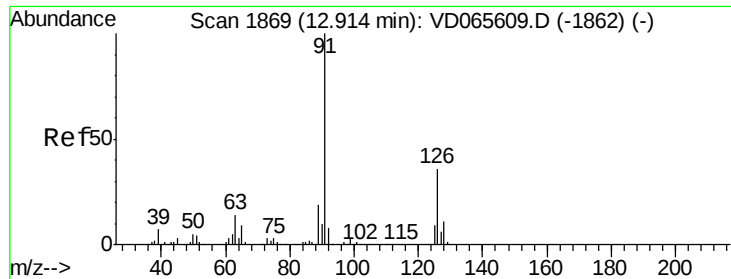
Tgt Ion:	91	Resp:	540320
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.029 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

Tot Ion: 91 Resp: 307193

Ion Ratio Lower Upper

91 100

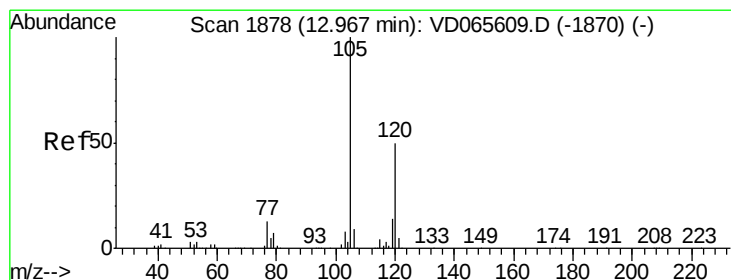
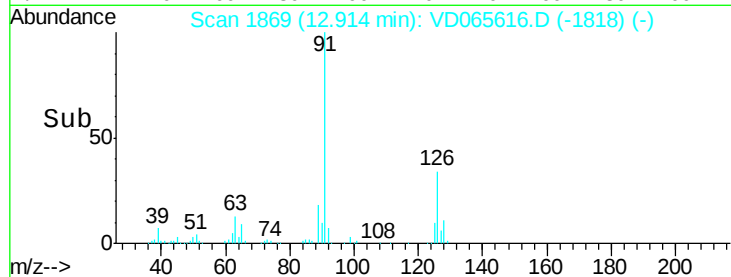
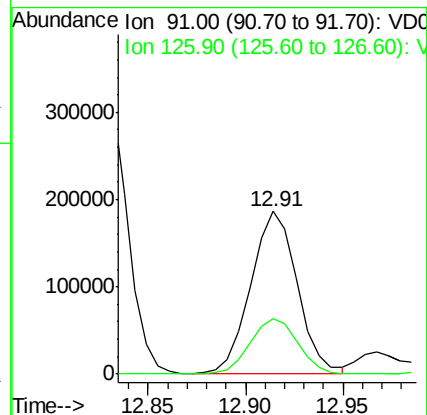
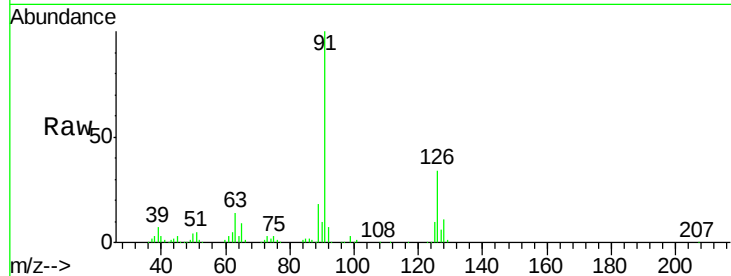
126 35.1 18.0 54.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.191 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065616.D

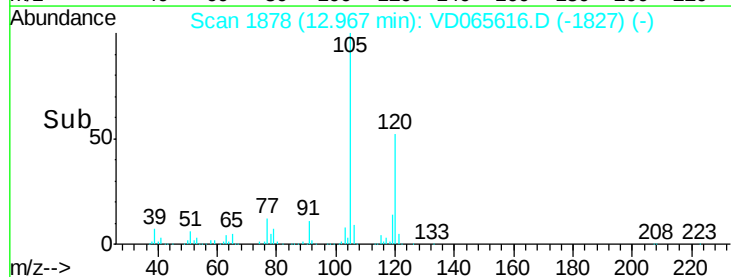
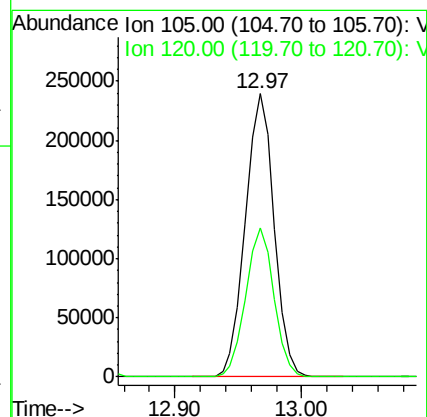
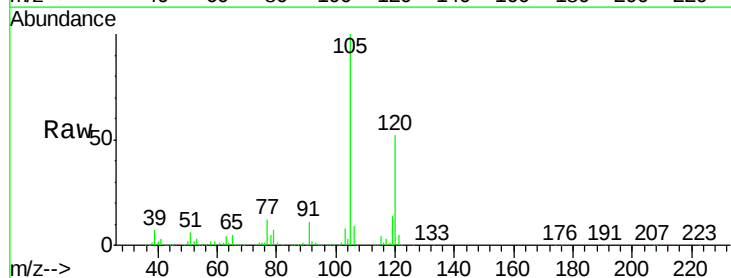
Acq: 13 Apr 2020 14:52

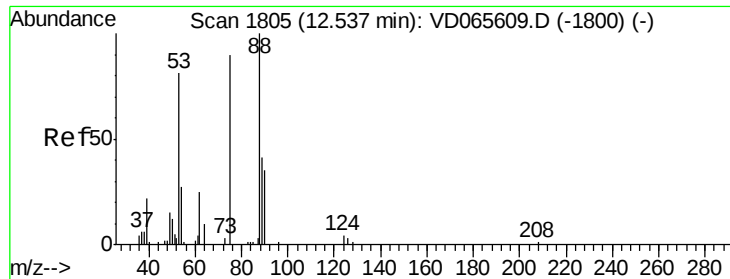
Tgt Ion: 105 Resp: 377083

Ion Ratio Lower Upper

105 100

120 51.6 25.7 77.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.985 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

Tot Ion: 75 Resp: 20799

Ion Ratio Lower Upper

75 100

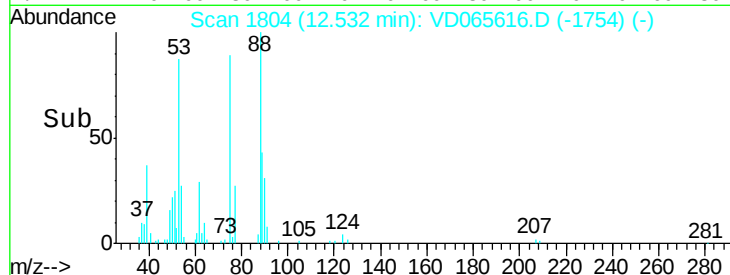
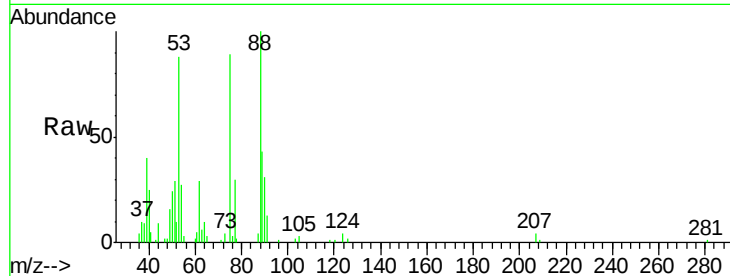
53 98.6 73.8 110.8

89 45.8 36.1 54.1

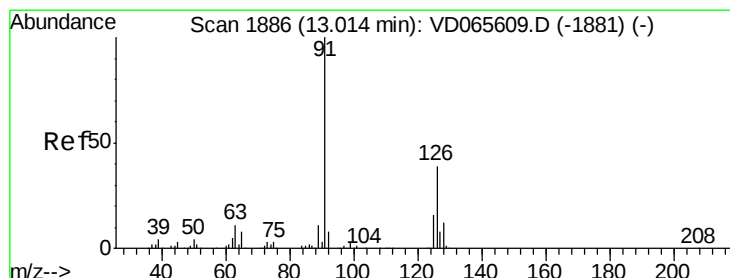
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Time-->



#82

4-Chlorotoluene

Concen: 21.706 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065616.D

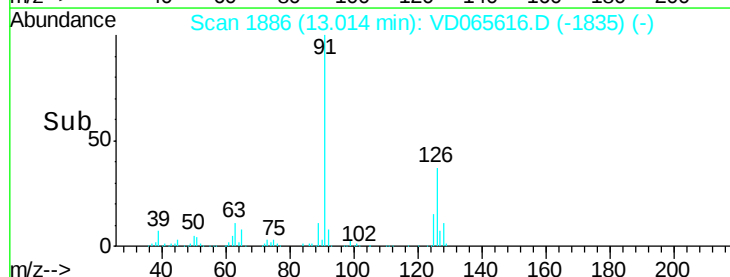
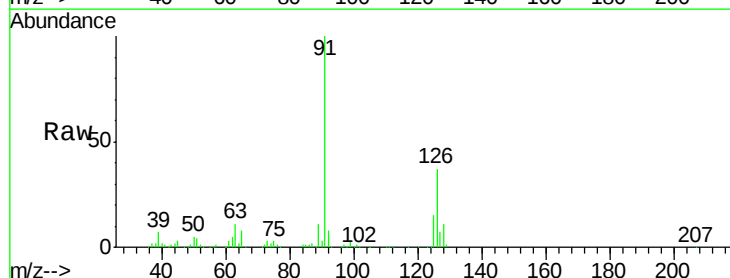
Acq: 13 Apr 2020 14:52

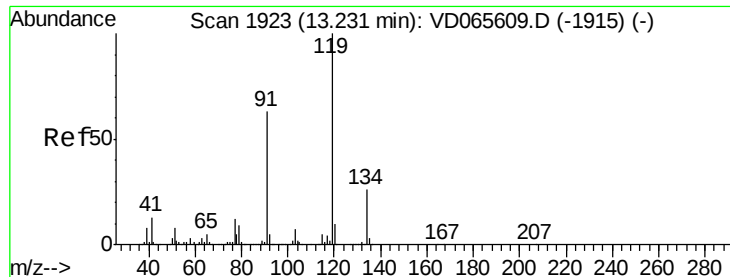
Tgt Ion: 91 Resp: 325798

Ion Ratio Lower Upper

91 100

126 36.5 18.1 54.4





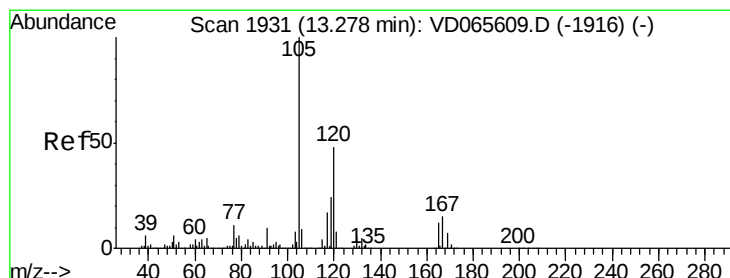
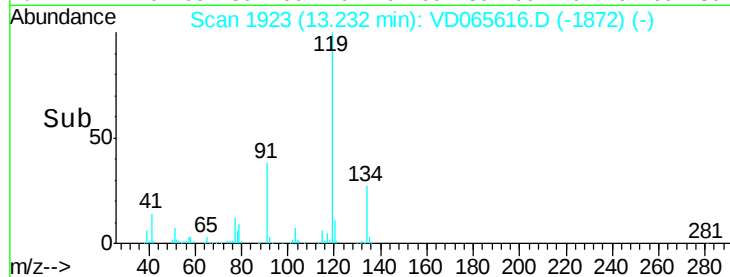
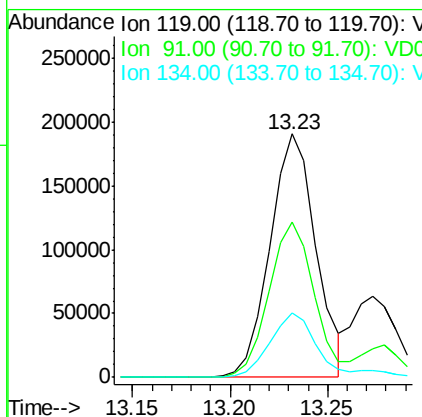
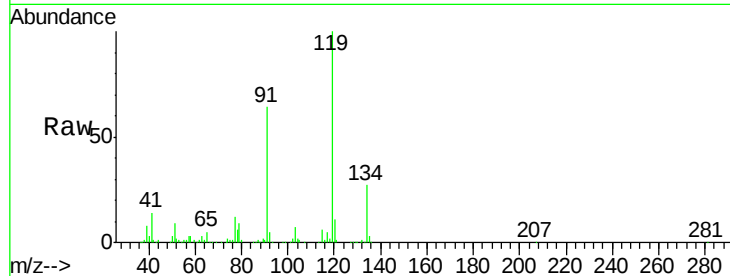
#83
tert-Butylbenzene
Concen: 21.874 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	30.4	91.2
134	28.2	13.7	41.0

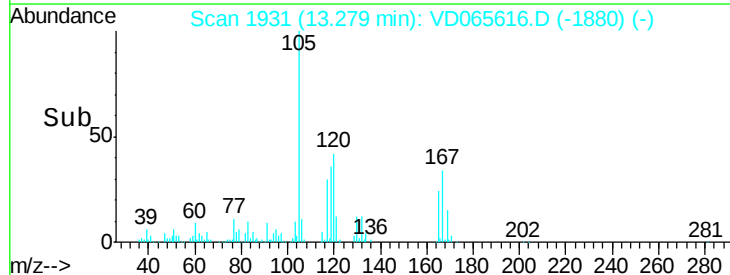
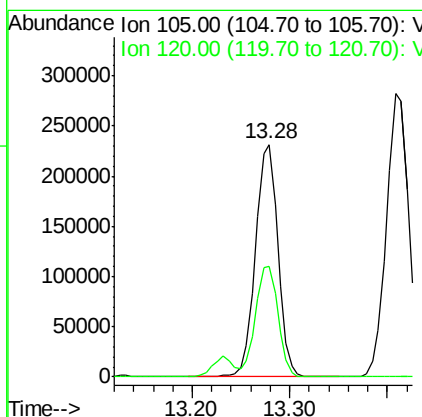
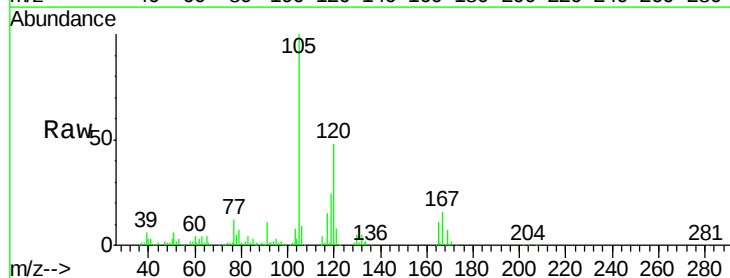
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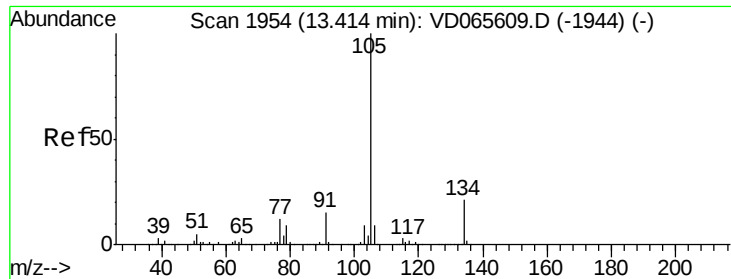
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 22.086 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.5	70.6





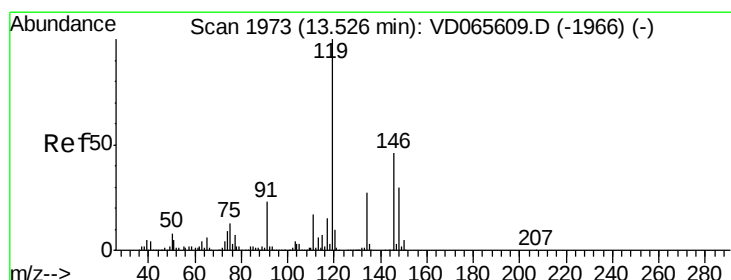
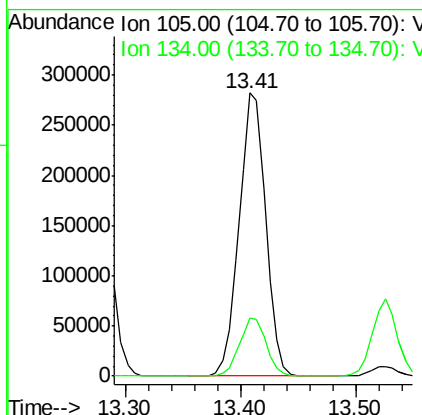
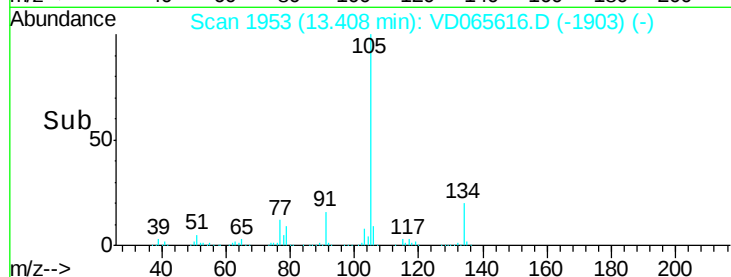
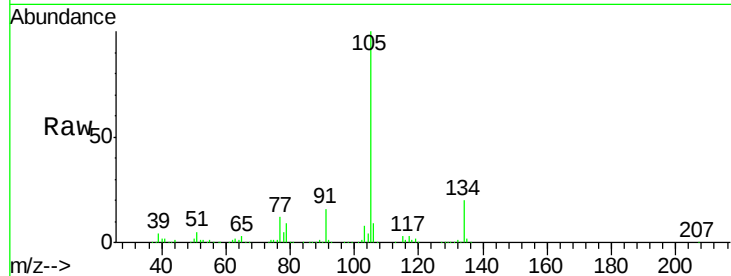
#85
 sec-Butylbenzene
 Concen: 22.229 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.7	31.9

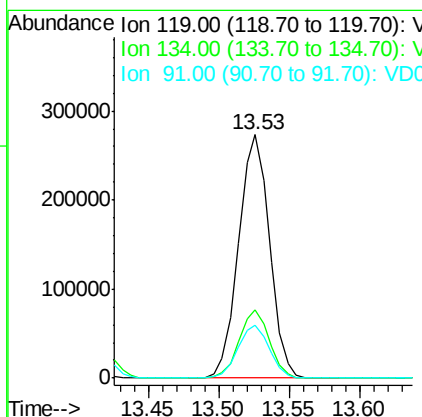
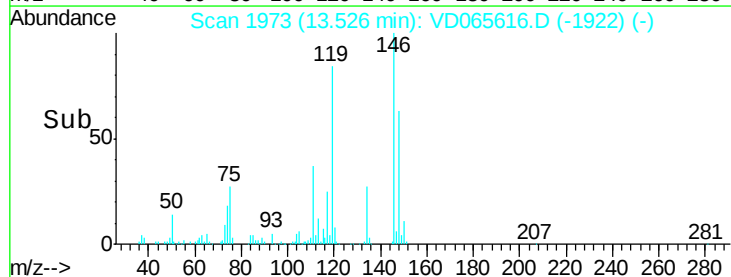
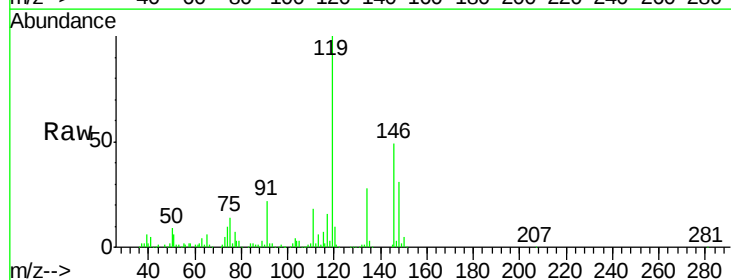
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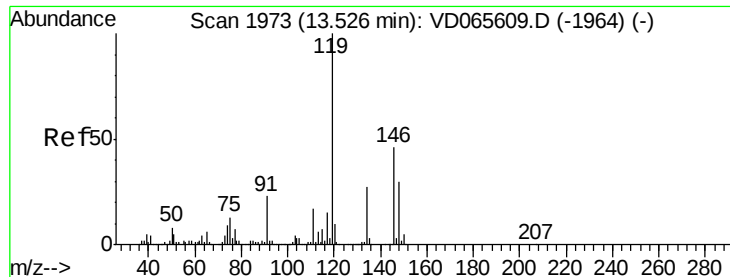
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#86
 p-Isopropyltoluene
 Concen: 22.389 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.5	40.4
91	21.8	11.1	33.1





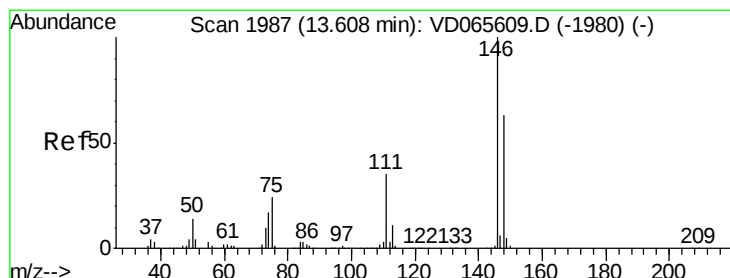
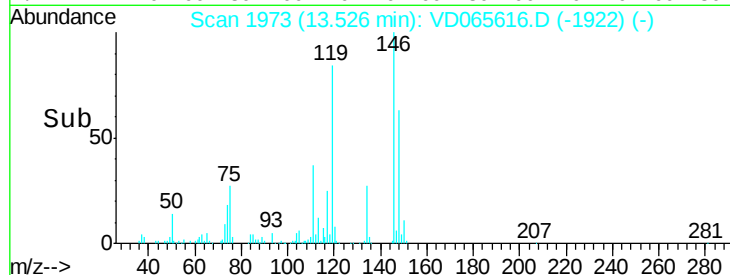
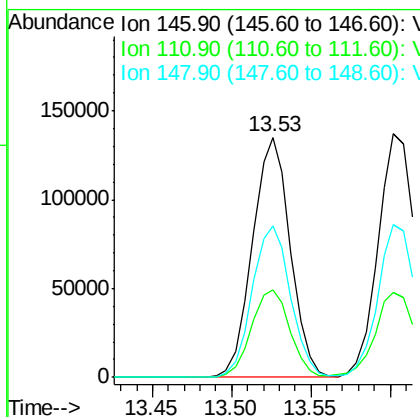
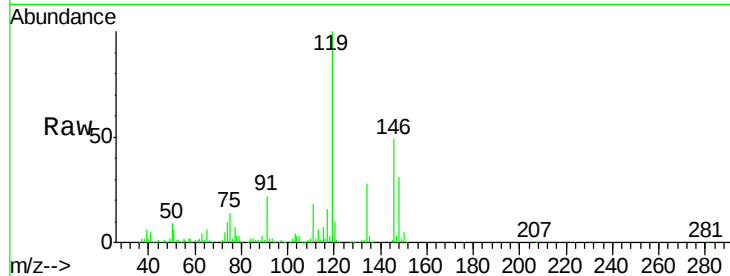
#87
 1,3-Dichlorobenzene
 Concen: 21.014 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	223986		
111	37.3	18.6	55.8	
148	64.1	32.1	96.5	

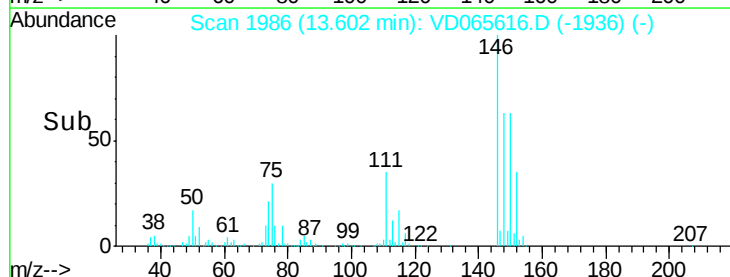
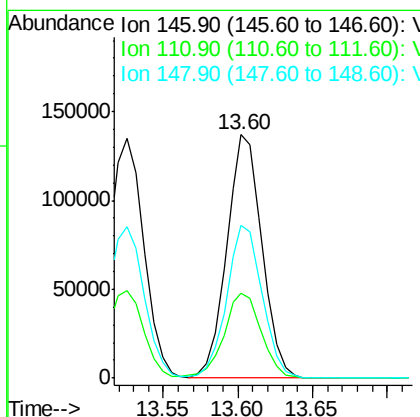
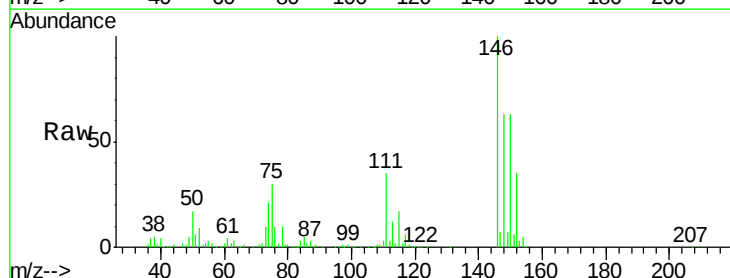
Manual Integrations
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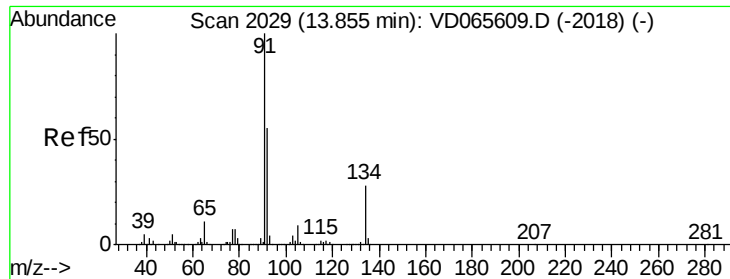
MMDadoda
 4/14/2020 10:02:30 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.150 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	225168		
111	36.9	18.0	54.0	
148	63.6	31.8	95.4	





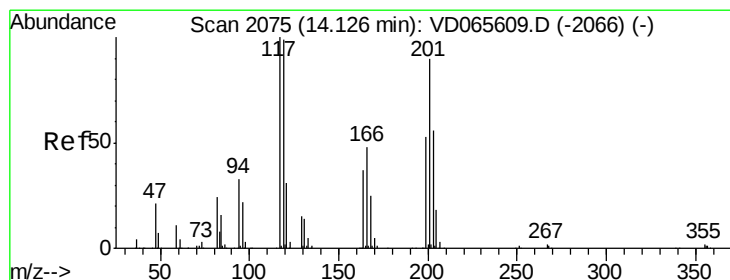
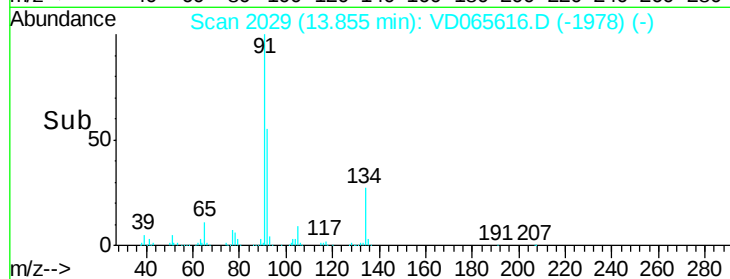
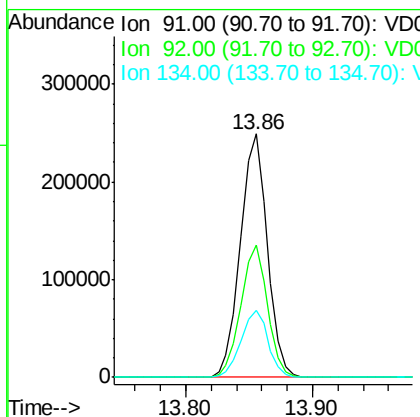
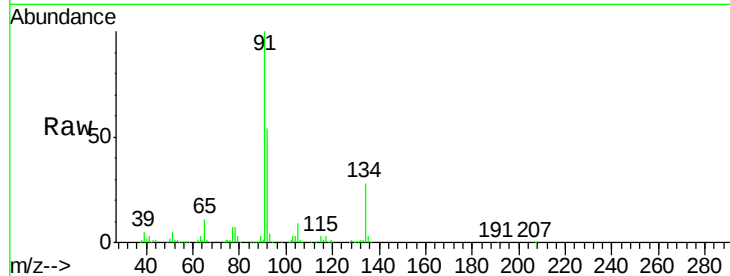
#89
n-Butylbenzene
Concen: 21.818 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.2	81.6
134	27.6	13.9	41.7

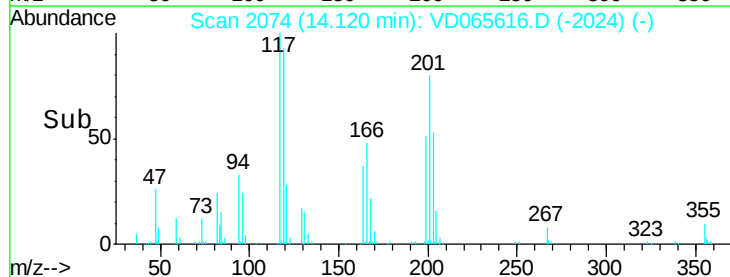
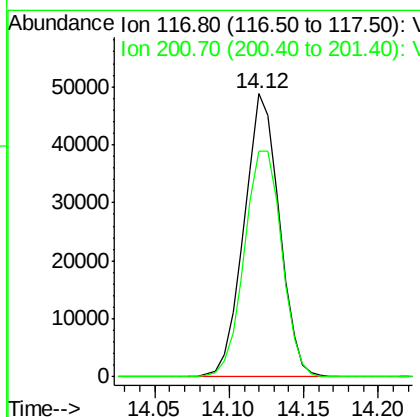
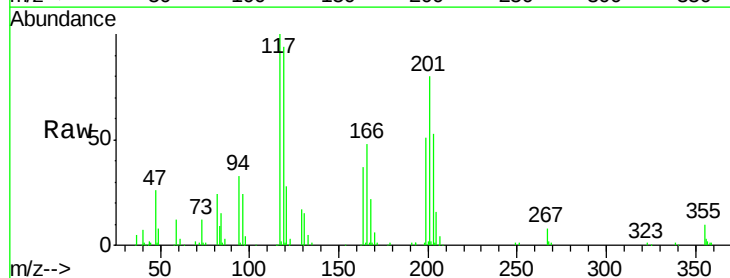
Manual Integrations
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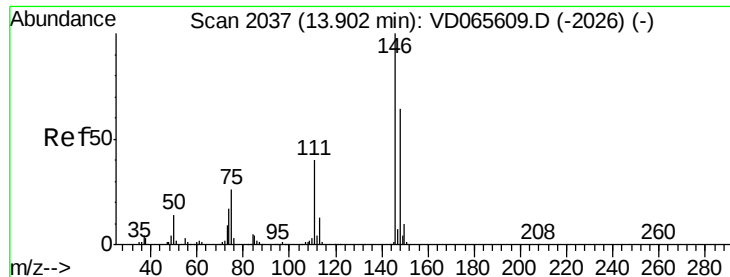
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4/14/2020 10:02:30 AM



#90
Hexachloroethane
Concen: 19.580 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.01 min
Lab File: VD065616.D
Acq: 13 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.0	43.9	131.7





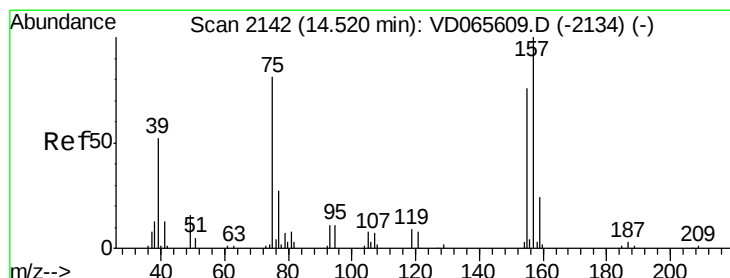
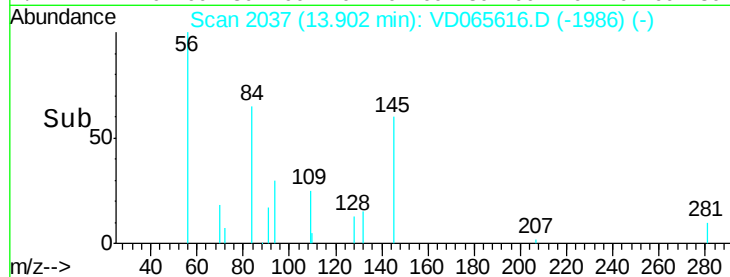
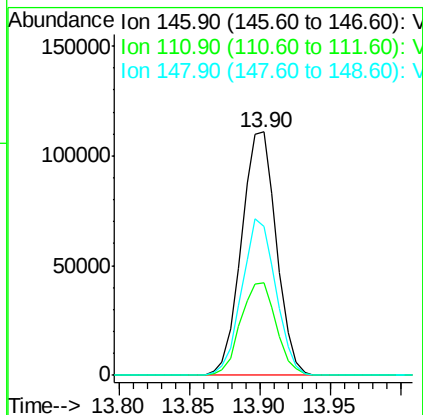
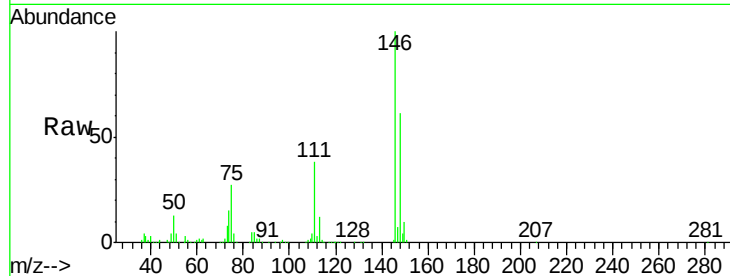
#91
 1,2-Dichlorobenzene
 Concen: 21.168 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.5
148	62.8	31.8	95.4

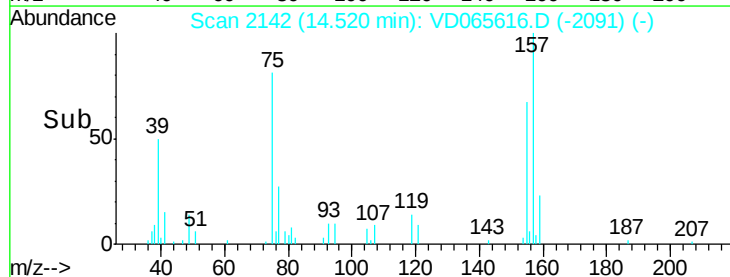
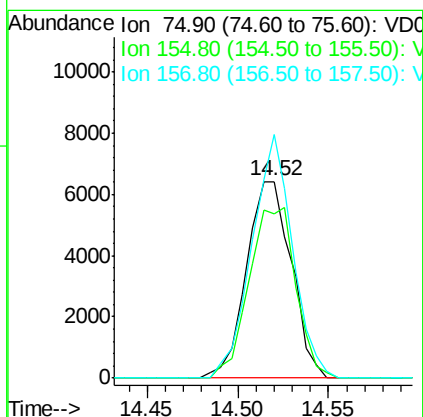
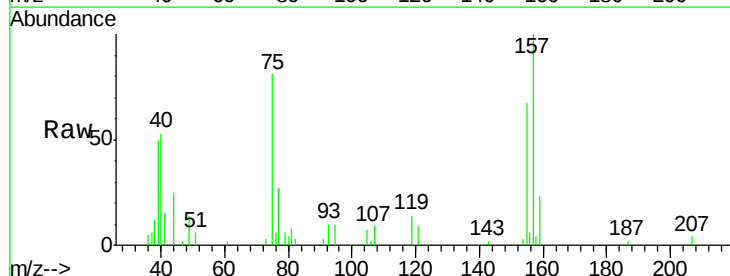
Manual Integrations
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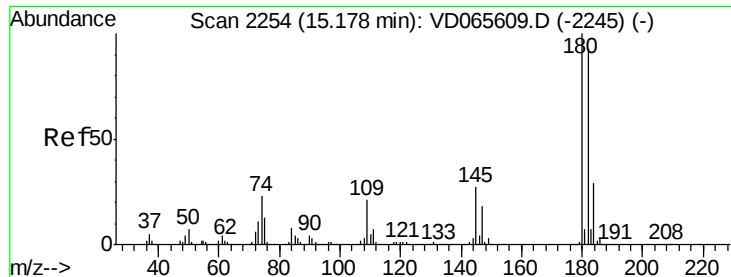
MMDadoda
 4/14/2020 10:02:30 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.347 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.4	46.8	140.4
157	111.7	59.6	178.7





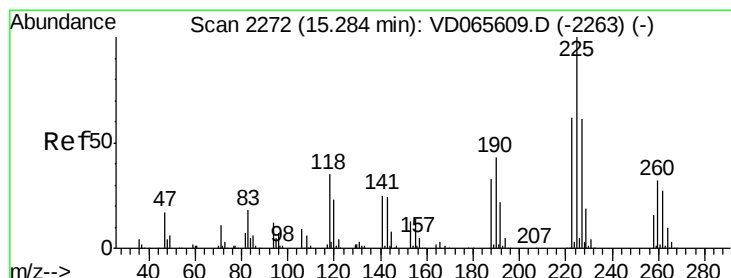
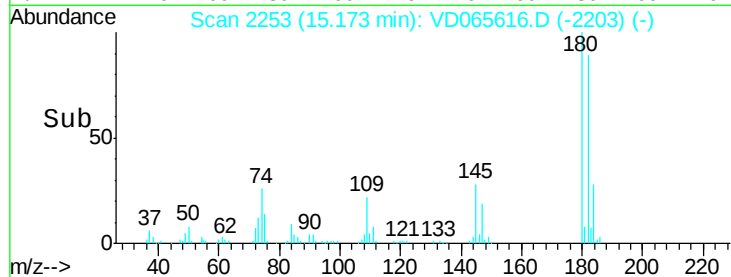
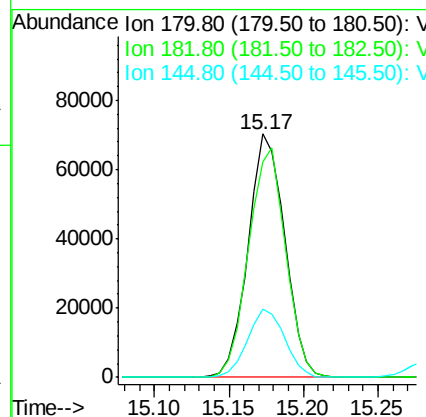
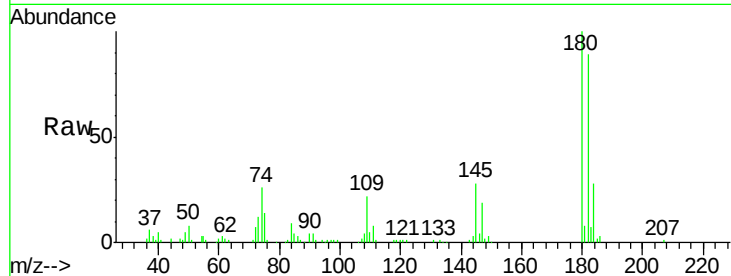
#93
 1,2,4-Trichlorobenzene
 Concen: 20.066 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	119516		
182	95.2	47.0	141.2	
145	28.5	14.0	41.9	

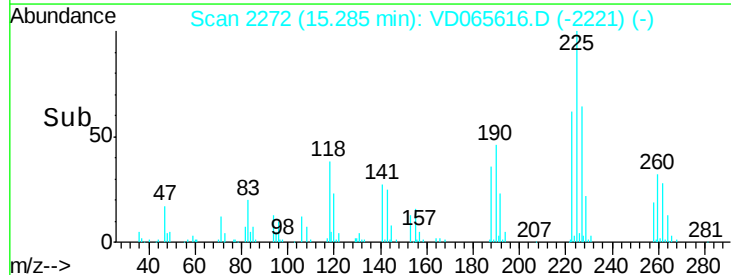
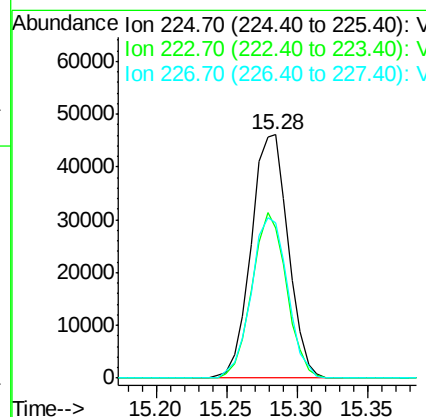
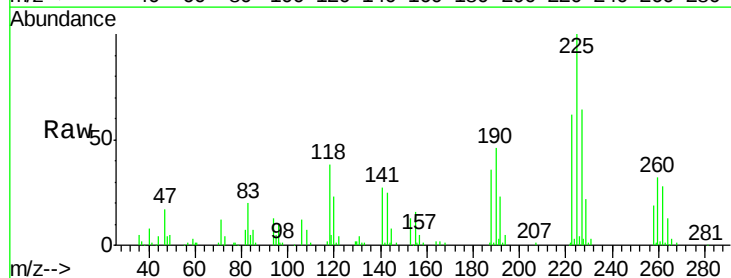
Manual Integrations
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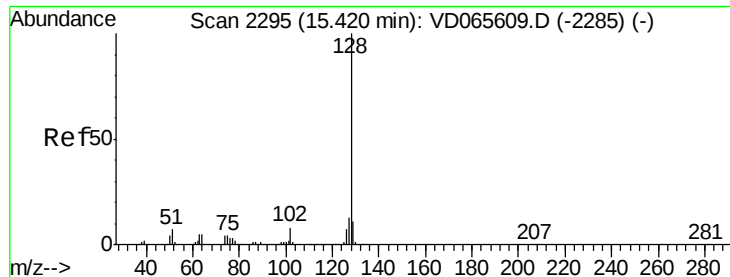
MMDadoda
 4/14/2020 10:02:30 AM



#94
 Hexachlorobutadiene
 Concen: 20.533 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VD065616.D
 Acq: 13 Apr 2020 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	85008		
223	63.3	31.6	94.7	
227	65.1	31.6	95.0	





#95

Naphthalene

Concen: 19.188 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.01 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Instrument :

MSVOA_D

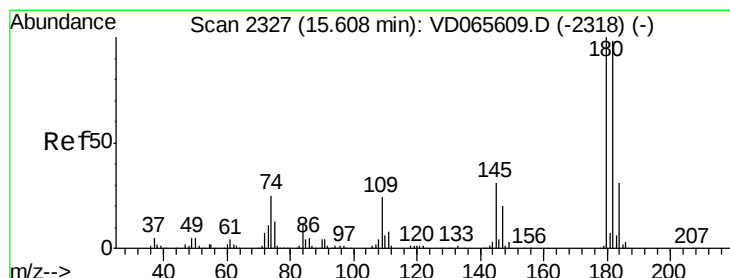
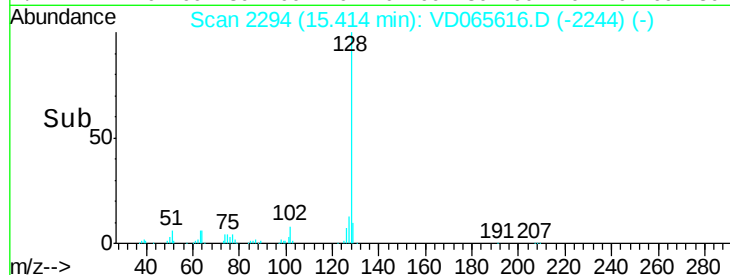
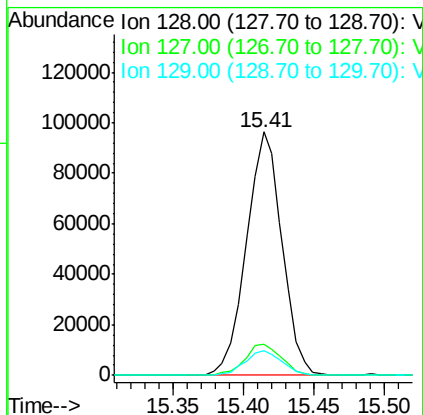
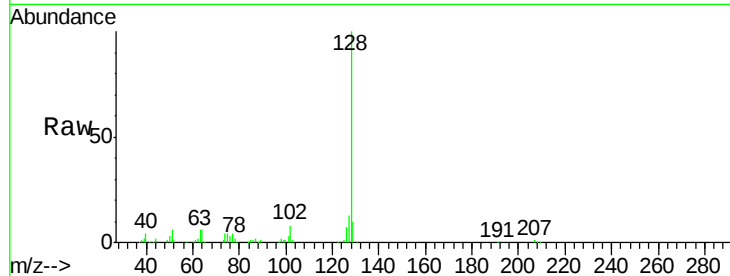
ClientSampleId :

VD0413SBS01

Tot Ion:	128	Resp:	169818
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	10.6	8.4	12.6

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 20.867 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065616.D

Acq: 13 Apr 2020 14:52

Tgt Ion:	180	Resp:	107584
Ion Ratio	Lower	Upper	
180	100		
182	93.9	47.7	143.1
145	30.5	15.2	45.6

